



The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 1

September, 1993

Dinner Meeting:
September 14
at the Metro
Headquarters
Building
Tours: 5:45-6:30

Program limited
to first 100 regis-
trants. Please
make your reser-
vations by noon
on Friday,
9/10. Call
(503) 223-8231.
Cost: \$20.00
Park free in
garage, enter on
Iroving.

Seminar:
Specifying
"Demolition &
Recycling"
by Metro
September 15
\$7.50—lunch
ZGF Offices
RSVP 223-8231

Picnic:
September 17
See insert.

Golf:
September 24
See pg. 6.

METRO'S NEW DIGS

You may remember it as Sears, but the inviting glass building that now houses Metropolitan Service District (Metro) headquarters barely resembles its former self. The design-build team of **Hoffman Construction Company** and **Thompson Vaivoda/Cole Associated Architects** have accomplished the owner's goals for a cost-effective functional office building that reflects the agency's mission for recycling and waste management, while being open and accessible to the public it serves.

On **Tuesday, September 14, 1993**, Portland CSI is hosting a meeting at the new Metro building. We will be touring the building and will hear from project participants.

Glenn Taylor, Metro construction manager, will talk about how Metro decided to pursue this building and the design-build selection process. **Wayne Drinkward**, president of Hoffman Construction, will speak about Hoffman's role and

how they made the decision to participate in this project.

Bob Thompson of Thompson Vaivoda/Cole Associated Architects, with **Carol McCarter** of McCarter Boczka Interior Design and Space Planning, will present slides of the project's development and their view of the design and construction process. **Jim Goddard**, Metro's Recycling Program Engineer and a dedicated advocate for recycling, will discuss Metro's view of the project's successful demolition and construction recycling.

At the technical session on Wednesday, **September 15**, **Jim Goddard** will present draft specifications for demolition and recycling. He has been working with representatives of both CSI and AIA to develop a specification to maximize the potential benefits of recycling throughout construction.

Before—"Sears"



After—Metro HQ



**NEXT
MEETING**

**TUESDAY
September 14, 1993
600 NE Grand, Portland**

**METRO HEADQUARTERS
BUILDING**

The President's Message



John Lape CCS, President

I plan to use this column for several purposes. One is a forum to inform chapter members of events and goings on that affect our chapter. I visualize topics ranging from chapter news to broader industry items. The column will also provide a tool to communicate some of my ideas and interests.

The Region Conference is being held this year in Alaska, the land of the "Last Frontier." I will be taking advantage of this opportunity to see some of this vast state by taking a couple of extra days. I am going to fly into Fairbanks, take a few days to drive down to Anchorage, see Denali (Mt. McKinley) along the way if it is clear, and then tour Anchorage before the Conference. I hope to squeeze in a white water trip in as well. The Conference will be a moving feast of Alaska scenery as it travels down the Kenai Peninsula from Anchorage to Homer. This Conference is more than just an opportunity for the old guard of CSI to get together. Region business is conducted, region and institute reports are presented, and candidates for Institute Director will be nominated. It was at last year's Region Conference that changes were discussed that led to the successful revisions to the Leadership Conference. There are many people that labor in the background to foster the interests of CSI. Some of that work takes place at these Conferences. The Conferences also provide an opportunity to gather with other chapter leaders and compare ideas.

What else is going on? Gunnar Forland and I have been attending meetings to set up a "Building Professionals End of Summer Mixer." This idea was started by Joe Van Lom, Architect. The event will be a picnic at an informal setting to provide an opportunity to interact with others from the construction industry. This is the type of interaction that I feel will benefit all of us and I encourage you to attend. The sign-up form is included in this newsletter. If you have any questions, please contact Gunnar or myself.

I had a meeting with Performance Publishing recently to get started on changes for next year's edition of the chapter

directory. I solicited input from Lee Kilbourn and the Products Rep. Share Group. There are numerous typo and editing-type minor changes that will be made. We also discussed distribution of the directory by Performance Publishing. This should help insure a timely delivery to you. We are also looking into ways that the directory can be delivered to a selected membership of the AGC and AIA. There was much discussion on the organization of the Buyers Guide section. It was decided that members may list medium- and narrow-scope section numbers in the membership listing, but that the Buyers Guide section would be limited to broad-scope listings. It is anticipated that this will eliminate some of the confusion and need for multiple listings under one broad-scope area. Persons can still take out advertisements which can list specific products or areas within a broad-scope heading. I have made a summary of the proposed changes. If you are interested in a copy, please give me a call.

1993 GOVERNOR'S ENERGY AWARDS NATIONAL AWARDS PROGRAM for Energy Efficiency and Renewable Energy

Governor Barbara Roberts is looking for projects for state and national honors. Deadline for entries in the 1993 Governor's Energy Awards program is September 10th. The program is sponsored in Oregon by the Governor and the Oregon Department of Energy. It is part of a national awards program sponsored by the U.S. Department of Energy.

The program seeks innovative projects that save energy or use renewable resources. The awards promote the nationwide exchange of energy-saving ideas and technologies. Descriptions of award winners will be shared with others who want to do similar projects.

"Oregon is the leader in energy saving technologies and renewable energy uses," said Roberts. "Each year, we produce more than our share of outstanding energy projects. This program helps spread information about innovations that can help businesses and households save money and natural resources at the same time."

Any person or group (except federal agencies) with a working conservation or renewable resource project can enter. Projects will be judged on innovation, energy savings, potential for use by others, and economic impact. The last Governor's Energy Awards were made in 1990. In that year, nine projects were recognized. Three of these projects went on to win national awards. For more information, project sponsors should contact:

Sally Sederstrom, ODOE
625 Marion Street NE
Salem, OR 97310

(toll free) (800) 221-8035, (Salem) 378-8356

BS BY KS



Basic Specs by Ken Searl

As some of you may already know there will soon be an opening for someone to write a column in place of my BS Column for The Predicator. I am retiring on November 1, 1993. My wife says October 31st.

This month's discussion is about allowances. It seems up until recently allowances didn't seem to generate too much interest. Several people have expressed an interest in a discussion of allowances so I decided to get with the program. I have contacted several chapter members and researched this rascal, including in CSI's Manual of Practice. One person stated that he didn't get enough allowance as a child so he hates allowances. I found the following items of importance regarding the subject:

1. In CSI's Manual of Practice, under Article FF/140, Allowances are covered, as well as Unit Prices. Sample specs show placing Cash Allowances in Section 01021 and show in specification section where an allowance is required with reference to Section 01021. Some of us feel if only one or two spec sections require allowances then don't create a Section 01021.

2. CSI's Manual of Practice states that allowances should generally be avoided. I agree with this. Suggested allowance items include those that cannot be designed or selected until project is partially complete, including murals, sculpture, furnishings and landscaping. The latter two can be handled easily on medium to large projects by preparing separate bid-type contracts.

3. Disadvantages of allowances are that it puts bidders at a disadvantage. Even though material price is set, bidders are to some degree, bidding blind on installation. An example is Finish Hardware which affects production costs for doors and frames. Some specifiers call for finish hardware allowances for two reasons. One, a finish hardware schedule need not be prepared within original contract documents and two, you can keep out hardware suppliers who are located a long distance away and their service and follow up is questionable. Two, you can give it to a supplier of your choice including having them do the hardware schedule. This all tends to drive up project costs, so one must consider if it is worth the end result.

4. Allowances can lead to disputes and higher costs because bidders are deprived of essential information. When final cost differs considerably from allowances, the

contractor's profits are distorted. If allowances are too high, the contractor's profit and overhead is also high and becomes an unfair expense to the owner. If too low, it becomes an expense to the contractor. Whenever allowances vary from final cost by more than, say ten percent, it is equitable to provide for addition or subtraction of a percentage for profit and overhead as well.

5. An item of interest is: how does one compute profit and overhead, particularly when the time comes for allowance adjustments. Requirements for this should be shown in contract documents in a clear and concise manner.

6. In calling various specifiers and architects in my vicinity it appears that most specify allowances sparingly. One architect stated that his firm did specify allowances on items that could lead to possible litigation, such as playground equipment.

ARCHITECTURAL CONSULTANT POSITION OPENING

The Oregon and Southwest Washington Wall & Ceiling Industry is seeking a qualified individual for the position of *Architectural Consultant*.

The person selected will represent the drywall, plastering, and acoustical ceiling industry in providing technical services to architects, building officials, and others in the construction industry in Oregon and Southwest Washington. In addition to having excellent oral and written communication skills, experience in the construction industry is desirable.

The starting compensation will be a salary and benefit package commensurate with experience and qualifications.

Please send your resume, including employment history, to:

DJC Advertiser
Box J-61
PO Box 10127
Portland, OR 97210

NOON SEMINAR Specifying "Demolition & Recycling"

Wednesday, September 15, 1993
ZGF Conference Room—Presented by Metro
Cost: \$7.50 for box lunch—Reserve: Call (503) 223-8231

CHAPTER REPORT CSI NATIONAL CONVENTION June, 1993—Houston, Texas

Portland Chapter members attending were President John Lape, Photographer-Editor Inge Carstanjen (and stand in for Dale Kuykendall), Lee Kilbourn FCSI (#2 membership "getter" in the Institute), Mary Alice Hutchins Emerata, Margie Largent (picking up Bob Klas' award), John Lamb (Sto Industries booth), Linda Bowman, Jim Chaney, Dick Kissick.

The educational programs were, as usual, well planned for variety and timely interest. I attended *Improving Engineering Consultants' Specifications* (tape in chapter archives), a very timely program. A man sitting in front of me, who identified himself as an engineer on the cyclotron project, said the problem was not in the upper echelon of engineers but occurs at the "production level" where change in procedure is difficult.

I spoke to him after the session ended and said I agree that the top structural engineers (my first job was with Stone & Webster, 1950-1953) were the most creative, dedicated-to-quality management people I ever worked with.

Later, however, in recalling Stone & Webster's standards of production and remembering that the last set of S&W specifications I saw (circa 1982) were not yet in the CSI format, I had second thoughts. Adjusting standards is the job of management and senior engineers, I think.

I also attended *Quality in the Services Sector*, co-presented by CSI Vice President Jane Baker and her boss.

This two-hour session was an amply and carefully presented program on "Partnering" which seems to be working for BSW and their firm of 320 people. The key message I got was "don't attack people—look at the problem."

**John Lamb—STO Industries Booth
1993 CSI Convention
Houston, Texas**



A less complete, but very interesting program, *Selecting, Specifying and Detailing of Metal Roof Systems*, was squeezed into 45 minutes. It needed more time. The presenter, Mr. Schroter, is from San Francisco—so maybe next year...in San Francisco?

Mary Alice Hutchins and I went a day early to attend the meeting of *Specification Consultants in Independent Practice*; she as a member, I as a guest.

Margie Largent

Martin Luther King Memorial Rothko Chapel, Houston, Texas



HOUSTON HOSPITALITY

Three Portland conventioners, setting out to see the Rothko Chapel (as directed by a hotel staffer who had checked the bus route with Metro), arrived at the corner where they thought Bus #78 would be stopping. Seeing no #78 on the bus stop reader board, they asked the first southbound driver (#3147) where #78 stopped. He directed them (they thought) back to the west one block. About three-fourths of the way back, the bewildered CSI'ers heard someone calling and saw the bus driver running towards them indicating they were going in the wrong direction! That driver had stopped at the next stop, left his bus, and had run to intercept us before our "persons" had disappeared from the street scene!

*Margie (former street car conductor in LA)
Mary Alice & Inge*

LOCAL AIA CHAPTER GEARS UP FOR FIRST ARCHITECTURE WEEK

Final plans are underway for the first official Architecture Week sponsored by the local chapter of the American Institute of Architects (AIA). The week of October 9-15, 1993 will be declared "Architecture Week" by the City of Portland.

Portland has been recognized as one of the most livable cities in the United States and this week is intended to promote the importance of design excellence in our built environment. The week of activities will include public exhibits, lectures, educational activities, public outreach, tours and design awards.

Part of the week will be devoted to issues relating to "green design" and the built environment. These issues are complex and include a wide range of topics, ranging from recycling to chemical sensitivities. Susan Maxman, the National AIA President will be speaking on advocating designers to improve the built environment with green design.

Sparking the public's interest and participation in design quality is a prime goal of Architecture Week. To date, Portland General Electric is the major sponsor. The calendar of events will be out in mid-September. For more information, contact the Portland AIA office.

Saundra Wark
Executive Director, AIA
(503) 223-8757

CSI SPONSORING ARCHITECTURE WEEK

The Portland chapter of CSI is a sponsor and is hosting an event for the first official *Portland Architecture Week*.

On Tuesday, October 12, our monthly dinner meeting will be held at 400 SW Sixth Avenue, in the space where all of the entrants for the 1993 AIA Design Awards will be on display. A diverse contractor panel will present "What Makes Good Documents" and we will be announcing a new CSI competition for bid document awards. We are excited to support and participate in this week-long celebration of architecture!

SAFETY TIP

In my many miles of traveling, it became apparent to me that cars in the left lanes on two-lane freeways, or in the left and right lanes on three-lane freeways (if you are in middle lane), had a habit of getting in my side mirror's blind spot and staying much too long in that position. I discovered if one sets the interior mirror at the correct position and then positions the left and right exterior mirrors in a more outward position, this greatly improves your view of what's behind. One must lean to right or left to fully see if anyone is in your relocated and shorter length blind spot but with this method there isn't much blind spot remaining even without leaning outward. This outside mirrors setting also removes most of the headlight glare from rear approaching cars during night time driving. Your center mirror usually has a night and day adjustment.

What I am saying is: set your mirrors different than we all thought was correct. I don't want to hear, as I do from some contractors, the old phrase... "We have always done it that way."

Ken Searl

Portland Chapter Members at "Modernfold" Dinner, June, Houston, Texas



Bob Klas received the Institute Technical Commendation Award at the annual Award Ceremonies at the National Convention in Houston, Texas, June 1993. One such award is presented each year for contributions to the advancement of the technical programs of the Institute.

Margie Largent is shown here receiving the award for Bob who was unable to attend.



**Watch for upcoming
bid document
awards announcement.**

MEMBER NEWS

Construction Data News, August 2, 1993, page 3, announced that L.C. "Len" Pardue CSI is the president-elect of the Masonry Contractors of America. Len takes office in January 1994 and will serve a two-year term.

Several CSI Chapter members met at Pardue Masonry in Tualatin, Oregon on February 5, 1987 for a plant tour/field trip.

Program panelist for the Chapter meeting on January 9, 1962 was Leonard Pardue, masonry contractor (Masonry Mortars)—31 years ago.

Len joined the Portland Chapter in 1988. (I'd bet that John Brockamp was membership chair.)

*Margie Largent
Archives*

AIA/CSI—GOLF TOURNAMENT

AIA and CSI members are invited to participate in the annual golf tournament to be held at Eastmoreland Golf Course, Friday, September 24, 1993. Tee times will be between 11:00 a.m. to 12:45 p.m. with prize presentation ending around 6:00 p.m.

The 1993 format will be an INDIVIDUAL and TEAM BEST BALL event. Make up your own team. Those who do not have a team will be paired up with other independents who want to play.

First place play shall be an individual medal play with the coveted Masonry Institute's donated bronze trophy as the prize. Other individual prizes will be for the best three-net scores, K.P., long drives, birdies and door prizes. All other monies and prizes will go to the team play event. Team prizes will include cash and balls.

Costs: PREPAYMENT OF \$20.00 PER PLAYER. Reservations are required. Costs cover greens fee and prizes. There will be no host food and drinks. Donated prizes are welcomed, i.e. balls, gloves, clubs, etc., which will be ordered through the Eastmoreland Pro Shop. Please call early if you want to make a donation.

Come play 18 holes of golf. Relax, see old friends, meet new ones and enjoy and outing away from the office.

The tournament is open to AIA and CSI members, their employees, persons interested in becoming members, and guests. Please note names of all players on your team.

Make checks payable to and send reservations to:
Ken Hattan
1122 NE 122nd Avenue, Suite B111
Portland, OR 97230
(503) 257-7332

Len is pictured on left with his father L.C. Pardue, Sr. and brother, Bill Pardue



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING, MAY 4, 1993

The meeting was called to order by President Jim Hirte at 12:05 p.m. at the AIA/CSI office. Present: Brown, Hirte, Hymes, Kuykendall, Lape, Largent, Totten, Watson, Wissler. Absent: Heiserman, Josi, Obert. Also Present: Lee Kilbourn, Ken Searl.

Discussion Approval of Minutes. Minutes of the April 6, 1993 Board of Directors, as presented in the June issue, were corrected and approved as noted: a. 4.2.e Dick felt article implied that stucco was a poor product. b. 4.2.e Predicator was a forum.

Correspondence Reports Letters were sent to all people who helped with the Products Fair, thanking them for their efforts.

Old Business

1. A report highlighting the Region Leadership Conference is forthcoming and will be published in the region newsletter.
2. A motion was made to give Gordon Van Antwerp a plaque and \$300 for directing another successful Products Fair. Motion Passed.
3. A draft of the Chapter budget for 1993-94 was presented to the Board by John Lape. It is currently under review.
4. The Chapter lease with AIA has been signed by all parties. Copies were presented to the Board.
5. A letter was sent by John Lape to the Institute informing then that Kathryn Knudsen-Wissler is replacing Becky DeClerk as Treasurer, effective immediately.

New Business

1. A letter was received from Inge Carstanjen regarding the Chapter's support of share group committee's. Inge felt that groups were exclusionary and did not foster a dialogue with all members of CSI. The Board took the letter under advisement.
2. The Board agreed to invite Sandy Vallega to a Chapter Board meeting. It was felt that the Board meeting should be on the same day as the monthly meeting for her benefit. October 12, 1993 was date identified. Ken Searl will write a letter of invitation.
3. A motion was made to mail the May issue of The Predicator first class. Motion Passed.
4. The Board agreed that a maximum of two table tops displays would be allowed at the Chapter meetings, and that the information would be independent of the program. A fee of \$50 will be charged. A lottery will be established for those interested as to when they might present. More information about this will be published in The Predicator.
5. The Board discussed paying a portion of the expenses for those receiving awards at the National Convention. No conclusion was reached.

Committee Reports The following reports were given:

Technical Documents Chair: Jim Wilson. a. Is coordinating the May meeting on Metrication. Otto Schick is the speaker. A seminar will be held on the 26th Floor, Room B of the U.S. Bancorp Tower, on Tuesday May 11th. The cost will be shared with SMACNA and BPA. b. Continuing to meet with The City of Portland on developing Policy and Procedure. c. Jim has volunteered to chair the Education Committee next year. A Chair for the Technical Committee is needed.

By-Laws Chair: Ken Searl. Still waiting for word from the Institute regarding our last By-Laws submittal.

Tellers Chair: Inge Carstanjen. Votes were tallied and reported at the last meeting.

Membership Chair: Lee Kilbourn. Current membership is at 364. Portland is the largest Chapter in the Region.

Share Group Chair (Contractors): Dale Kuykendall. They are producing an article for publication in The Predicator.

Products Fair Chair: Gordon Van Antwerp. Again, another successful year. A tribute to Gordon. This is his last year as chair.

Orientation Meetings Chair: Inge Carstanjen. An orientation meeting will be held before the May meeting.

Publication/Predicator Chair: Gunnar Forland. The Predicator will be delivered by first class mail.

Certification Chair: Skip Brown. A breakdown of those who took the exam this year: 2 CCS, 6 CCPR, 18 CDT.

Awards Chair: John Kehrl. Ready for next month.

Next Meeting Date June 1, 1993.

Meeting was adjourned at 1:15 p.m.

*Richard Heiserman
Secretary*

CORRECTION CSI 1993 Directory

Page 17, Gloria Rasmussen CCS: Classification should be **Specifications Consultant**, not **Architectural Firm**.

I was erroneously listed in the directory as working in an "Architectural Firm." The use of the word "architectural" to describe your occupation is not permitted unless you are licensed as an architect in the State of Oregon, which I am not.

Gloria Rasmussen CCS

CONTRACTOR'S SHARE GROUP

The Contractor's Share Group wishes to thank Ken Searl for his comments in the May Q & A column. It is one of our primary objectives to open dialogue between the various members of CSI, both within the Share Group and from "outside contributors." But let's not let Ken corner the market on "BS"! Please come to our meetings or write to The Predicator and let us know what you think about all of this! Or if you'd rather, submit a question for us to consider. We meet on the second Tuesday of each month at the Construction Data Plan Center at Albers Mill for a brown bag lunch meeting. Call Marty Lundell at 682-2878 for more info.

Q & A COLUMN

Question:

Why would a subcontractor phone or fax a bid to a general contractor, knowing that the bid is way too low?

Answer—from a local subcontractor:

I do studs, drywall and ceilings. Ya know, it's not easy to find the time to do a good take off, chase down material prices, and put it all together for a good bid, especially when I'm running four or five low-ball jobs from the back of my pickup! I've found a better way!

There are lots of other guys in town. Most of them even have offices! Anyway, here's my system: I'll go to the plan center, find a nice job (the thicker the plans the better), and use an average of some old jobs to guess where this job will come in. Then, I'll wait until about an hour before the bid and submit a price to the G.C.'s. I usually price it about half of what I think it'll go for. Then I just sit back and wait! Most G.C.'s being helpful folk, will give me a call telling me "you're way too low!" With a dozen G.C.'s bidding a job, some of 'um are bound to give me an idea of where the "big boys" are. I'll tell them I'm looking at my estimate, and ya know, it's amazing how close I can get when I call them with a change to my bid!

What are the good points to this system?

1) I don't have to do take-offs. 2) I don't have to look at addenda (you know how thick they can be!) 3) I get lots of jobs!



I have the G.C.'s right where I want them. In today's market, they *know* their competition will use my bid. But, you know, sometimes the dogs will shop my price after they land the job. Don't you hate that?

Marty Lundell
Contractors Share Group

E. Loy
1993

WHAT'S GOING ON

September

- 9-12 Region Conference, Anchorage, Alaska
- 14 Dinner Meeting, Metro Headquarters Building, *Field Trip*
- 15 Noon Seminar—ZGF Offices
Specifying Demolition & Recycling
- 17 Building Professionals Picnic
- 24 AIA/CSI Golf Tournament

October

- 12 Board of Directors, 4:30 p.m.
(prior to dinner meeting)
- 12 Dinner Meeting, 400 S.W. 6th Avenue
Architecture Week
"What Makes Good Documents?"

November

- 2 Board of Directors, 12-1:00 p.m.
- 9 New Member Orientation
Dinner Meeting, Atwater's
Solid Surfacing
- 11 Noon Seminar—ZGF Offices
"Specifying Solid Surfacing"

December

- 7 Board of Directors, 12-1:00 p.m.
- 14 Dinner Meeting—Atwater's
Providence Child Care Center Benefit Giving Tree

**Around the Region. . .
a calendar of meetings**

- Cook Inlet, Anchorage, Alaska
Third Tuesday
Ken Maynard—(907) 276-4218
- Idaho, Boise
First Tuesday
Scott Henson—(208) 345-6677
- Mt. Rainier, Tacoma, Washington
Third Tuesday
Cheryl Rue—(206) 383-3084
- Portland, Oregon
Second Tuesday
Jody Moore—(206) 574-3449
- Puget Sound, Seattle, Washington
Second Thursday
David Jackson—(206) 623-4646
- Capitol, Salem, Oregon
Second Thursday
Darwin Doss—(503) 327-6633
- Spokane, Washington
Tom Crossan—(509) 327-6633
- Willamette Valley, Eugene, Oregon
Last Thursday
Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)

TABLE TOP DISPLAY APPLICATION FOR CSI DINNER MEETINGS

1. Maximum is two table top displays per meeting.
2. Subject matter to be unrelated to program.
3. Open to any member of the Portland Chapter of CSI.
4. Reservations required two months in advance through:

Vicki Miller
1205 NW Marshall
Portland, OR 97209
(503) 226-3508
fax (503) 275-3629
5. Fee to be paid one month in advance.
6. Exhibitors to prepare a brief announcement for publication in The Predicator at least five weeks in advance of meeting.
7. Complete table top set up ½ hour before social hour. Remove during break or when program is over.

Meeting Date _____

Name _____

Company _____

Address _____

Phone _____

Fax _____

Product Lines _____

Portland Chapter Leaders—1993-1994

President	
John Lape CCS	243-2837
President-Elect	
Dale Kuykendall CDT	777-5531
1991-93 President	
Jim Hirte CDT	620-0106
Secretary	
Rick Heiserman	223-1181
Treasurer	
Kathryn Knudsen-Wissler	286-6613
Executive Director	
Margie Largent	620-6573

Board of Directors

D. R. Brown CCS, Prof. '94	224-3860
Larry Chew CCS, Prof. '95	226-1575
Corwin Hymes CDT, Ind. '94	620-6617
Pat Murphy, Ind '95	777-2204
John Watson, Prof. '94	721-4666
Jim Wilson CCS, Prof. '95	222-1917

Committee Leaders

Awards—Ed Fatz CDT	646-5593
Certification	
D. R. Brown CCS	224-3860
Editor	
Inge Carstanjen CDT	635-6227
Education	
Jim Wilson CCS	222-1917
Membership	
Lee Kilbourn FCSI, CCS	224-3860
Products Fair	
Products Rep Share Group	
Wm. Clark	(800) 845-5900
Program—Jody Moore CCPR	284-6799
Technical	
Paul Wilson CCS	242-0123
Bylaws—Ken Searl FCSI, CCS	223-1181

Institute Responsibilities

CCS Implementation Com.—Ad Hoc	
James Robertson FCSI, CCS	(503) 342-8077

Jury of Fellows

Dave Thomas FCSI	(206) 337-8971
Technical	
Chris Bushnell CCS	(206) 357-9988
Education	
Ron Eakin	(503) 686-3355

Region Responsibilities

Awards	
Linda Bowman CCS	(503) 484-7618
Education	
Jim Adkins CCS	(206) 633-3182
Membership	
Dick Kissick CCPR	(206) 383-9790
Publications	
Brad Williamson CCS	(206) 623-4646
Technical	
Ivan McCormick CCS	292-3958
Certification	
D. R. Brown CCS	224-3860
Planning	
Elliot Mohr	(509) 535-0683

Region Directors

Jim Chaney, CDT	
McKenzie Commercial Cont. Inc.	
865 W. 2nd Ave.	
Eugene, OR 97402	343-7143

Sandi Velleca, CCS

Arctic Slope Consulting Group	
301 Danner Ave., Suite 200	
Anchorage, AK 99518 (907) 349-5148	

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

The Predicator

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Portland, OR 97204

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Membership Committee)

For More Information Please Call

Gunnar Forland
223-9318

ROBERT E. KLAS
EHMANN - KLAS ASSOCIATES
6775 SW 111TH AVENUE
BEAVERTON, OR 97005

RECEIVED

SEP 7 1993

EKA ARCHITECTS
& PLANNERS



The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 2

October, 1993

CELEBRATION OF ARCHITECTURE: The Documents!

This year, on Saturday October 16, the Portland Chapter of AIA will be giving their 37th annual design awards to local architects and their projects. The entries for the 1993 awards will be on display at 400 SW Sixth on the second floor, in the space where Portland Chapter CSI will hold our October dinner meeting.

**Dinner
Meeting:**
Tuesday,
October 12,
1993
400 SW 6th
2nd Floor

Cost: \$20.00

5:30 No Host
Bar
6:30 Dinner
and
Program

R.S.V.P. by
noon Friday,
October 8; call
Association
office at (503)
223-8231.

Can't make
dinner? Come for
the meeting at
7:30.

On Tuesday, October 12, 1993, Portland Chapter CSI is hosting an Architecture Week event. A contractor panel will address the question *What Makes Good Documents?* and we will be introducing a new Portland Chapter CSI document award.

Our contractor panel will be moderated by **Bruce Townsend**, Associate with SERA Architects. He will host **Joe Bolkovatz**, Vice-President Estimating for Drake Construction; **Jim McKune**, Vice-President Operations for Emerick Construction; **Nash A. Hasan**, Project Manager for R.A. Gray & Co.—Purcell, Inc.; and **Dan O'Brien**, President Current Electrical and Vice-President of the local Associated General Contractors.

Surrounded by this year's design award entries, our panel will discuss all aspects of project documents and how they affect the general contractor's decision to bid, their ability to build, and to their opportunity to make a profit on the project.

A building may look good and work well enough to earn a design award, but how was it to build? How were the project documents to work with? The front end, communication during bidding, coordination of documents, constructability, and contract administration all play a key role in the success of a project. And to recognize just how important they are, the Portland Chapter CSI is announcing a new award, to be given in June of 1994: the *Bid Documents Award*. Please see more inside *The Predicator* for eligibility and voting criteria for this new slant on project awards.

Please call now to make your reservations!

**NEXT
MEETING**

**TUESDAY
October 12, 1993
400 SW 6th Avenue**

ARCHITECTURE WEEK

The President's Message



John Lape CCS, President

This fall has been a busy one for CSI activities. I attended the Membership Workshop in Las Vegas and The Region Conference in Alaska (see accompanying article). We squeezed a board meeting in between those trips. Among other business we passed motions recommending Rod Moorman to Emeritus Membership and Dick Gira to Retired Membership. Rod was chapter president in 1980. Dick was president in 1984 and was recently "crowned" Al Hansen Memorial Award winner. We have also had the Building Professional's picnic and our September chapter meeting which featured a tour of the new Metro Headquarters building.

The Board decided that our chapter will be a major sponsor of Architecture Week. This event will be held during the week of October 9-15. We will be having our chapter meeting as part of the activities. Other events will include displays of entrants for the AIA design awards and a talk by Susan Maxman, National AIA President. This sponsorship will provide us some visibility in the community, listing as a sponsor in publicity, and some general media exposure. Our sponsorship was made possible by a Board donation of \$750.00 and generous \$250.00 contributions each from the following companies. I would like to thank these firms and individuals for helping to make this sponsorship possible.

Trym Tex	Linda Joens, CSI
Cronin Company	Vicki Miller, CSI
DeaMor Skylights	Jody Moore, CCPR, CSI
Emerick Construction	Dale Kuykendall, CDT, CSI
Sto Industries	John Lamb, CSI
Unistrut	Marty Lundell, CSI
USG Interiors	Kevin Martin, CSI

CSI, what do those letters stand for? When was the last time you were asked that? I'll bet it wasn't all that long ago. I'd also bet you've been asked that by someone in the construction industry. All of us in CSI need to work on our individual and collective image in the community. Put the CSI initials on your business cards. Wear the CSI pin or pendant in business settings. It can serve as a great

opening when someone asks you about the pin or initials. This gives you an opportunity to explain what CSI is and what we do. You will enhance your image as someone that belongs to a professional organization. We will all gain credibility as persons dedicated to continuing our learning and education in the construction industry. We will demonstrate that because we have members from all facets of the industry—including contractors, suppliers, attorneys, owners, and architects—we have a broad base of experience and knowledge to draw upon.

In a similar manner, the CDT, CCPR and CCS certifications should be proudly displayed on business cards. The letters may have little recognition outside of CSI but this is again an opportunity to enhance both yours and CSI's image.

Our chapter is filled with an excellent group of knowledgeable individuals. Let's spread the word!

REPORT FROM REGION CONFERENCE CSI Travel Circuit

Las Vegas and Alaska, can you think of any two more opposite areas of the United States? I was in each of these extremes on back-to-back weekends recently. It was 106° in Las Vegas during the Membership Workshop that CSI Institute put on. Kathryn Wissler and John Lape from Portland joined 32 other CSI members, including 4 from Rhode Island, for the excellent presentation by Mark Levin. Las Vegas has high temperatures, neon signs for landscaping and scenery, and a non-stop pace of life.

Alaska is justifiably called "The Last Frontier." The slogan appears on all four of the state's license plate designs. (And you thought Oregon was the only one with multiple plates!) The scenery is breathtakingly beautiful. It was Fall in the central area around Fairbanks. The vibrant shades of yellow on the alder and birch leaves contrasted with the dark green of the black spruce and the red of the berries in the ground cover. The snow capped mountains in the

(continued on page 4)

At Halibut Cove, pictured left to right,
Dale Kuykendall, Dianne Kuykendall, Laura Mahoney,
John Lape, Gwynne Vanciel, Ken Searl, Ivan McCormick,
Ray Totten, and daughter Beth, and Marlene McCormick
(behind Beth)



BS BY KS



Basic Specs by Ken Searl

This month I am going to write about a subject that I have been considering for a long time. That subject is specifications writers.

Many specifications writers never, or hardly ever, get to go out to job sites and observe work in progress. In my opinion, this is really not how it should be. There are many good spec writers out there but good specifiers can become much better if they have an opportunity to get out there and do some observing. To observe first hand how specs are job applied, what works and what doesn't work, plus keeping one's ears and eyes open, can be very helpful.

To spec writers reading this I suggest you show your employer this article, and if an employer of one or more spec writers is reading this I urge you to give this some consideration. What I mean by getting out to a job is not once in an Oregon blue moon but once or twice a month as a minimum.

From an employer's standpoint, there is more to gain than to lose. For instance, once a spec writer becomes more experienced with job site methods and practices, not only does your spec writer become more proficient in spec writing but, with job site experience, you can send this person out as the project observer, who would be a benefit to any firm.

Now, some other items involving specifications: It seems to me that some specifiers are much too wordy. Many people have stated that specifications should be as clear as possible. From a contractor's view, they should also be as brief as possible (yes, one can get too brief). If a set of specifications is very long, it causes a contractor to take more time to prepare a bid because, among other things, many phone calls are required. (Usually when specs are long, clarity is somewhat diminished.) All this tends to drive up project costs at bid time. Then when a project is in progress, it causes the contractor more time and more

calls when a specification is too wordy; and oftentimes is difficult to figure out just what in the heck was really wanted in the first place. This tends to cause poor working relations between architect and contractor.

It is noted that the AGC has a program covering partnering. If you would like partnering and good working relations with all members of the building team, then you definitely need good specifications that all members can understand. If you are not aware of AGC's Partnering program, then I suggest you round up a copy and study it because it has a lot going for it.

One last item: Are you ready for our country's change to the metric system? I believe many of us are going to have lots of fun with this rascal. In my local newspaper recently there was an article titled, "Watch highways for speed limit of 77—kilometers, that is." That sounded rather funny to me because 77 kilometers doesn't correspond to any of our posted mph highway signs. Upon reading the rest of the article I discovered they were referring to 55 miles per hour (88 kilometers, rounded up to 90). Well, if the newspaper is confused, how about all the rest of the people?

When one does revise specifications to metric, let's not show both English and metric together. Go cold turkey and convert specifications to metric with a conversion chart in Division 1. If both systems are shown together most people will only read what they are accustomed to and will have a very difficult and dragged-out learning period.

Editor's Note: Ken has almost, sort of, maybe, agreed to write some more columns in the coming months. Any pet peeves? ideas? notions? HELP HIM OUT—he's "running on empty!!!" (he says).



Nash Hasan and Dale Kuykendall
at the Metro

(continued from page 2)

background completed the scene. On several occasions, I pulled over to the side of the main road connecting Anchorage and Fairbanks to take pictures. Usually no cars passed in either direction—and it was Labor Day!

The Region Conference started in Anchorage. We traveled by bus past the new \$60 million Princess Hotel being built at the Aleyaska ski area, and stopped at the Portage Glacier Visitors Center. We then toured down the Kenai Peninsula, stopping for lunch at a mountain lake lodge.

Institute immediate past president Thomas Young was in attendance to provide perspective from the Institute. We had region business sessions and round tables on several topics to assist each other in our region and chapter activities. The Portland Chapter had the largest contingent, consisting of John Lape and Laura Mahoney, Dale and Dianne Kuykendall, Ken Searl, Gwynne Vanciel, Jim and Sharon Kelso, Ray Totten and his daughter Beth, Ivan and Marlene McCormick, Skip Brown, and John Lamb. Our Chapter was well represented in the Region awards as well. Ken Searl and Ivan McCormick both received Director Citation Awards. Dennis Obert was awarded the Region Education Award and John Lape got the Region Technical Excellence Award. The awards dinner was preceded by a boat tour across the inlet on the "Danny J" to Halibut Cove. The cove is accessible only by boat and contains two small islands that hold an artist colony. On the way we saw several bald headed eagles and small whales.

The region nominating committee approved Jim Adkins, Puget Sound Chapter, and Bob Kenworthy, Mt. Rainier Chapter as nominees to follow Sandi Velleca as Institute Director after she finishes her term next summer. Sandi will be in Portland for the October board and dinner meetings. She will provide a capsule summary of activities at the Institute.

John Lape

THE CSI/PROVIDENCE CHILD CENTER CONNECTION

Traditionally, we have had entertainment as our program at the December Chapter meeting. The Program Committee felt it would be appropriate to do something positive for our community for the Christmas program this holiday season. The Providence Child Care Foundation has been selected as recipient of our chapter efforts this year. Last month several members of the Program Committee visited the center and met some of the children.

I am easily overcome by the extreme needs of God's very special people. But even as ill equipped as I am to deal

with this potentially emotional situation, I feel enriched by my contact with the patients, staff and volunteers at the Providence Child Center. As Linda Joens told me, she visited these special little people to find the spirit within them, and the simple truth is that the personal reward for this was startling. Feeling the urgent need to do more is the natural conclusion from such an enlightening visit. The amazing thing is that it's so easy to give. The smallest donation can mean so much. The investment of time it took for Jim Rother to muss Dustin's hair brought a priceless smile, and a mere touch of hands has left Linda thinking constantly of Brittany.



Brittany, age 6, with Linda Joens

The Children's Nursing Center at Providence Child Center is unique. It is the only skilled nursing center in Oregon and Washington that is dedicated exclusively to children. Over fifty severely disabled, medically fragile children live at the center. It is a life affirming place where special children are not just sheltered, but where they can live the best possible life: they receive the care they need, yet are treated with dignity and love. The bows and braids in the little girls' hair and the general condition of the children exhibits the care and individual attention only a very genuine love can give.



Left, Dustin, age 9, with Jim Rother
Right, Steven, age 11, with Marty Lundell

Today, the setting for the nursing center is old, outmoded, and no longer meets the children's basic care requirements. A new center is being constructed next to the existing

(continued on page 5)



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING, MAY 4, 1993

The meeting was called to order by President Jim Hirte at 12:08 p.m. at the AIA/CSI office. **Present:** Heiserman, Hirte, Hymes, Kuykendall, Lape, Largent, Obert, Totten, Watson. **Absent:** Brown, Josi, Knudsen-Wissler. **Also Present:** Larry Chew, Lee Kilbourn, Ken Searl, Jim Wilson.

Discussion

Approval of Minutes. Minutes of the May 4, 1993 Board of Directors meeting were approved as read.

Correspondence Reports

1. John Lape read a letter from METRO thanking the Chapter for letting them participate in the Products Fair. 2. Jim Hirte read a letter from Fred Dies, Special Inspections City of Portland, informing interested parties that a seminar will be given on June 16 to explain procedural changes to the Special Inspection for jobs within the City of Portland.

Old Business

The Chapter 1993/94 Budget was approved as presented.

New Business

1. Lee stated that The Portland Chapter was second nationally in *The Sky's the Limit* new membership campaign. The Chapter received a set of study guides and 12 certificates, for \$25.00 each, that can be used toward CSI functions and/or products. 2. It was noted that Bob Klas is to receive an award at the national convention. A motion was made by Dale Kuykendall and seconded by John Lape to pay Bob's registration fee, with the awarded certificates, and air fare to the convention in Houston. Motion passed. Jim Hirte will contact Bob to confirm. 3. Lee Kilbourn suggested that Member Emeritus be granted to Margie Largent. A motion was made by John Lape and seconded by Ray Totten to grant that request. Motion passed. 4. Rick Hieserman stated that Portland Chapter AIA is developing an Architecture Awareness Week which will take place in September. A request of the Board was made as to whether the Chapter was interested in being a part of this as sponsor or participant. No action was taken until more information received. 5. It was noted that the Chapter has no way of knowing credit charges at the monthly meeting. These charges are handled by the restaurant and reported to us. Kathryn Knudsen-Wissler will investigate the cost for the Chapter to process credit card charges.

Committee Reports The following reports were given:

Technical Documents Chair: Jim Wilson a. Continuing to meet with The City of Portland on developing Policy and Procedure. b. Jim has volunteered to chair the Education Committee next year. A Chair for the Technical Committee is needed.

By-Laws Chair: Ken Searl. Still waiting for word from the Institute regarding our last By-Laws submittal.

Finance Chair: Kathryn Knudsen-Wissler. Becky DeClerk is finishing the 1992/93 fiscal year books.

Membership Chair: Lee Kilbourn. Current membership is at 364.

Contractor's Share Group Chair: Marty Lundell. Developing a program for the spring on Bidding

Procedures.

Products Fair Chair: Gordon Van Antwerp. Gordon will assist the Products Rep Share Group for next year's fair.

Publication/Predicator Chair: Gunnar Forland. The Predicator for June has been delivered.

Certification Chair: Skip Brown. The official results were not available for this year's exam. Lee felt that more study and instruction time was needed for the CCS and CCPR.

Awards Chair: John Kehrli a. Ready for next month. b. 20-year and 30-year pins will be given at the awards meeting. A special award to Dick Gira will be given for his lifetime contribution to the Chapter.

Next Meeting Date Next meeting to be announced.

Meeting was adjourned at 12:45 p.m.

Richard Heiserman
Secretary



Touring Metro Headquarters, September 14, 1993

TO NEWSLETTER CONTRIBUTORS

If possible, please submit article on an MS DOS diskette (3½, 5¼, DD, HD—all okay) in WordPerfect (5.1 or 6.0) or ASCII format. Please indicate format and name of article(s) on outside of disk.

Inserts to be distributed with the newsletter must be submitted unfolded (8½" by 11" size).

Submission Date Articles must be submitted by the Friday after the dinner meeting (October 15th for next newsletter).

Typesetting and proofreading will start on the following Monday—third week of the month (October 18th).

Printing, collating, and folding will start on the next Monday—fourth week of the month (October 25th).

Mailing The newsletter will be mailed on the 1st of the month (November 1st).

In this best of all possible *volunteer* organizations, I appreciate your help!

The Editor

CONTRACTOR'S SHARE GROUP Q & A COLUMN—*Marty Lundell*

Question: *What do you enjoy most and least about marketing to architectural firms?*

Answer—from a local rep:

Most: Those occasions when I have knowledge or experience that an architect needs. The challenge of locating offices tucked away in unlikely places. Making a significant contribution to project documents. Meeting intelligent life forms and finding that they are interested in what I have to say. (The very definition of intelligences.) Establishing relationships based on mutual trust and respect. Learning to appreciate some of the challenges facing architects today—learning about new products and processes and incorporating them into their projects; adopting new document production technologies; dealing with an increasingly sophisticated market; and meeting fierce competition.

Least: "Ivory Tower" architects who have little or no time for interacting with industry representatives. Their lack of product knowledge is usually reflected in their documents. (How *do* they go about learning?) Being "stood up" on an appointment.

Pet Peeve: The rush to change firm names to acronyms. We're awash in alphabet soup—it's like lemmings over the cliff. (LOTG? *the editor*)....(AMEN also from M.L.)



Data Resource Center



Supper in the Tank
Metro Headquarters

NITE AT THE MET(RO) A Resounding Success

The September 14th regular dinner meeting of the Portland Chapter CSI met at the new Metro Headquarters at 600 NE Grand in Portland, Oregon, the site of the old Sears building. 82 people attended to tour this facility, enjoy a lovely catered salmon dinner (Elephant's Deli) and listen to the principals share their experiences in this design-build undertaking. The Portland Metro intends for this endeavor to be an example of the possibilities for rescuing old, outmoded buildings. They did well, I think (editorial opinion).

Much of the original structure was saved and many recycled materials were used in the final building. Material to be disposed of was segregated as much as possible, saving on dump costs. Old fixtures were salvaged and sold, gyp board remanufactured, in some cases recycled paint was used. The list goes on.

The discussion was led by Glenn Taylor, Metro Construction Manager, Wayne Drinkward of Hoffman Construction Co., Bob Thompson of Thompson, Vaivoda Architects, and Carol McCarter, of McCarter Boczka Interior Design. Jim Goddard, Metro Recycling Program Engineer presented a slide show of the renovation process. Touring the facility was interesting as well.

The Data Resource Center supplies data to interested agencies and individuals, such as population concentration, vacant land, forecasting land use, etc.

The old loading dock was renovated into a child care center, a very inviting "store front" area. Metro employees have priority, but the general public is also able to use the facility. Alas, there is room for 50 and they have a waiting list.

The tower of the Sears structure housed a water tank on the upper level with mechanical equipment on lower floors. The tank was partially removed, windows added giving viewers a spectacular three-way view of Portland (including Mt. Hood). This room now is called the "Think Tank" (not my pun). Eating and meeting areas utilize the tower rooms below.

Thank you, Jody Moore, for pulling it all together! I think everyone enjoyed this meeting as much as I.



Artwork at the Metro
admired by Klaus Gibson

Inge

WHAT'S GOING ON?

October

- 12 Board of Directors, 4:30 p.m.
(prior to dinner meeting)
- 12 Dinner Meeting, 400 S.W. 6th Avenue
Architecture Week
"What Makes Good Documents?"

November

- 2 Board of Directors, 12-1:00 p.m.
- 9 New Member Orientation
Dinner Meeting, Atwater's
Solid Surfacing
- 10 Noon Seminar—US Bank
"Specifying Solid Surfacing"

December

- 7 Board of Directors, 12-1:00 p.m.
- 14 Dinner Meeting—Atwater's
Providence Child Care Center Benefit
Giving Tree

**Around the Region . . .
a calendar of meetings**

- Cook Inlet, Anchorage, Alaska
Third Tuesday
Ken Maynard—(907) 276-4218
- Idaho, Boise
First Tuesday
Scott Henson—(208) 345-6677
- Mt. Rainier, Tacoma, Washington
Third Tuesday
Cheryl Rue—(206) 383-3084
- Portland, Oregon
Second Tuesday
Jody Moore—(206) 574-3449
- Puget Sound, Seattle, Washington
Second Thursday
David Jackson—(206) 623-4646
- Capitol, Salem, Oregon
Second Thursday
Darwin Doss—(503) 327-6633
- Spokane, Washington
First Tuesday
Tom Crossan—(509) 327-6633
- Willamette Valley, Eugene, Oregon
Last Thursday
Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)

MENG OFFERS VE TRAINING SEMINAR

A value engineering training seminar will be offered in Seattle, October 25-29, by Meng Associates, a Seattle-based value engineering and architecture firm. Running full days, the seminar will instruct attendees in definitions of VE, cost, worth and function; problem solving and creativity tools; and methods of conducting studies. Half of the seminar will be lectures, presentations, and instruction, with the other half a hands-on, interdisciplinary analysis of actual, recent construction projects. The last day will include a panel discussion with representatives of Pacific NW agencies and companies that are using VE in their construction programs. The seminar is certified and approved by SAVE (the Society of American Value Engineers) and meets their 40-hour requirements.

This seminar will be taught by Eric G. Meng, CVS, AIA, who has led more than 130 VE studies, representing over \$1 billion in construction of such diverse project types as laboratories, schools, apartment houses and ocean class ferries. He recently lectured on VE and its use in construction at the European Society of Value Engineers in Seville, and for the Council for Educational Facility Planners in Vancouver, British Columbia. Meng is President of the Washington State chapter of SAVE.

The class will be of particular use to architects, public facility managers, private developers, engineers and others looking to lead, participate, and manage VE studies. Contact Ted Sive at (206) 448-9640 for additional information.

**Table Top Display Application
Correction**

Please note the *correct* fax number for Vicky Miller is (503) 226-3101

FY 1994 Specifications Competition

CSI invites all firms preparing project manuals for construction to submit entries for CSIs Specifications Competition, which recognizes outstanding achievement in written construction documentation. Winning a CSI Specifications Competition award is written proof that your professional skills are among the best. Use this proof as your ticket to greater success.

Application deadline: November 2, 1993 For more information, contact CSIs Technical Department at (703) 684-0300.

Portland Chapter Leaders—1993-1994

President	
John Lape CCS	243-2837
President-Elect	
Dale Kuykendall CDT	777-5531
1991-93 President	
Jim Hirte CDT	620-0106
Secretary	
Rick Heiserman	223-1181
Treasurer	
Kathryn Knudsen-Wissler	286-6613
Executive Director	
Margie Largent	620-6573

Board of Directors

D. R. Brown CCS, Prof. '94	224-3860
Larry Chew CCS, Prof. '95	226-1575
Corwin Hymes CDT, Ind. '94	620-6617
Pat Murphy, Ind '95	777-2204
John Watson, Prof. '94	721-4666
Jim Wilson CCS, Prof. '95	222-1917

Committee Leaders

Awards—Ed Fatz CDT	646-5593
Certification	
D. R. Brown CCS	224-3860
Editor	
Inge Carstanjen CDT	635-6227
Education	
Jim Wilson CCS	222-1917
Membership	
Lee Kilbourn FCSI, CCS	224-3860
Products Fair	
Products Rep Share Group	
Wm. Clark, CDT (800) 845-5900	
Program—Jody Moore CCPR	284-6799
Technical	
Paul Wilson CCS	242-0123
Bylaws—Ken Searl FCSI, CCS	223-1181

Institute Responsibilities

CCS Implementation Com.—Ad Hoc	
James Robertson FCSI, CCS	(503) 342-8077

Jury of Fellows

Dave Thomas FCSI	(206) 337-8971
Technical	
Chris Bushnell CCS	(206) 357-9988
Education	
Ron Eakin	(503) 686-3355

Region Responsibilities

Awards	
Linda Bowman CCS	(503) 484-7618
Education	
Jim Adkins CCS	(206) 633-3182
Membership	
Dick Kissick CCPR	(206) 383-9790
Publications	
Brad Williamson CCS	(206) 623-4646
Technical	
Ivan McCormick CCS	292-3958
Certification	
D. R. Brown CCS	224-3860
Planning	
Elliot Mohr	(509) 535-0683

Region Directors

Jim Chaney, CDT	
McKenzie Commercial Cont. Inc.	
865 W. 2nd Ave.	
Eugene, OR 97402	343-7143
Sandi Velleca, CCS	
Arctic Slope Consulting Group	
301 Danner Ave., Suite 200	
Anchorage, AK 99518 (907) 349-5148	

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

The Predicator

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BEAVERTON, OR 97005



The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 3

November, 1993

**New Member
Orientation:**
November 9, 1993
5:00-6:00 p.m.
41st Floor
Atwater's
Restaurant

Dinner Meeting:
November 9, 1993
5:30 No Host Bar
6:30 Dinner
7:30-9:00
Program
Cost: \$20.00

Noon Seminar:
"Solid Surfacing"
November 10, 1993
1:30 p.m.
19th Floor
Atwater's
Lunch is
provided.

R.S.V.P. for the
dinner and the
seminar by
noon Friday,
November 5th;
call the
Association office
at (503) 223-8231.

Can't make
dinner?
Come for the
meeting at 7:30.

Section 06650: Solid Polymer Fabrication (Solid Surface)

What is Solid Surface?

Can we afford it?

Where in the building do we put it?

Perhaps you have admired the smooth solid surface countertops as shown in this photograph. What you may not know is how it was made and the many other uses for this versatile product.



On Tuesday, November 9, 1993, Portland CSI representatives will conduct an entertaining tour through the exciting world of solid surfacing. The tour will answer your questions and will provide the tools to smooth out the

journey from design development to project completion.

The guides for your adventure will be **Kathryn Wissler**, Consultant for Solid Surface; **Linda Joens**, Trym-Tex; **Vicki Miller**, The Cronin Company; and **Cherie McNabb**, Wanke Cascade.

Our guides will take us through example projects, including health care, hospitality, clean rooms, and food service; which will demonstrate some unique design applications in residential, institutional and commercial settings. Highlights along the Tuesday evening tour will include:

- History of Solid Surface and Color Theory
- "David Letterman's Top 10" Spec Check
- Innovative Products (made of solid surface)
- 06650 Solid Surface Souvenir Raffle (bring a business card)

Solid technical topics will be covered in a hosted lunch seminar on Wednesday, November 10, at the US Bank Tower 19th floor conference room. Fabricators and factory technical representatives will be there to answer your questions, and review sample specifications and detailing for success!

Jody Moore

**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
NOVEMBER 9, 1993
111 SW 5TH AVENUE**

**41ST FLOOR
ATWATER'S RESTAURANT**

The President's Message



John Lape CCS, President

This fall has been a busy one for CSI. We have been involved in several outreach type of ventures.

The inaugural "Architecture Week" was held October 9-16. Our monthly meeting was held in the display space for the design awards. This gave us an opportunity to view the projects submitted for the awards. As part of our sponsorship of this event, we were listed as a sponsor on the programs that were sent out and displayed throughout the City. We were mentioned during the awards dinner on Saturday night as a sponsor and a CSI display "booth" was present during the week. Several CSI members attended the AIA awards dinner Saturday night, including Lee and Perky Kilbourn and myself. The jury generally panned the design submissions. It will be interesting to see if any of these same projects are among our "Bid Document Award" winners next spring.

The Board decided to assist in the distribution of "CASCADIA FORUM." This is a new publication from the University of Washington, College of Architecture and Urban Planning. It is designed as a "regional journal of design, planning, and construction." Articles in the first issue cover the geographic region of Oregon, Washington and British Columbia. CSI is listed as one of the cooperating organizations in the journal. I read several articles and have been impressed with their content. Copies of the Journal will be available at the November chapter meeting. It is also available at the association offices at 315 SW Fourth.

The Board also decided to recommend Jim Davidson for Emeritus Membership status. Jim joined the chapter in 1977 and has held several positions in the Chapter.

I journeyed to Seattle on October 14th to attend the Puget Sound Chapter's board and dinner meetings. I was attracted by the chapter-long-range-planning theme of their meetings. They used an outside facilitator to assist them and turned their dinner meeting into a work session. The process was enlightening and one that I hope to incorporate into one of our meetings in the future.

It's Called Networking

Friday, September 17th the Building Professionals Picnic was held at the Wildwood Recreation Area in Wemme. About 160 people from the construction industry gathered for this informal get together. Unfortunately precious few were there from our organization.

You may have missed a great opportunity. I talked with current AIA president Phil Marquis, president-elect Bob Hastings, 1995 president candidate John Baker (also an active CSI member), CECO president Mark Wirfs, and AGC president Dick Grigsby. I also chatted with several members of R & W Engineering and Interface Engineering—conversations which will likely lead to collaboration on future work. I also talked with the AIA staff (Saundra, Angela, Otina and Dee Ann) about a variety of topics.

The event cost \$15 plus 5 gallons of gas and 2½ hours off work. In addition to the networking, I got a few beers, appetizers, two helpings of Buster's ribs and chicken, and 6 games of volleyball. Was it worth it? You tell me—it sure was for me. Your next chance will be in February, at the indoor version being planned for the Last Laugh. Details will follow.

Networking at the October Dinner Meeting



BS BY KS



Basic Specs by Ken Searl

My first item of discussion is about the US Postal Service. Over the years, on occasion many of us have said a few unkind words about their apparent slow service. However, just yesterday my firm needed to get an important last addendum out to twelve bidders and others. So I took it over to the Portland Main post office at 4:00 p.m. and deposited all the envelopes directly into the inside mail drop. Guess what? They were delivered early the next day locally, *as well as* in Beaverton and Salem. Accolades to the Postal Service in Portland. I probably should send a copy of this column to the Postal Service so they can read a compliment instead of a complaint.

Next item (and no doubt I will get lots of flack from certain sources) is about preparation of specifications. If I get some flack, my attitude is going to be: what can they expect from a renegade spec writer? I have always been a believer that spec writers can make their own databases, rather than purchase one of those available on today's market. Let's get one thing straight. I am not against available databases but I don't believe they are very beneficial to an experienced spec writer. These systems usually slow down an experienced spec writer when preparing a project manual. I understand some spec writers purchase these databases primarily to obtain updates. There are two types of databases available that I am familiar with: (1) Several give a whole bunch of information which you can choose and edit as you see fit to create your own database. (2) There is also at least one database available that gives you choices by asking questions. When you answer all of them for an individual project, it comes up with a finished printed specification section. Changes can be made if necessary. This system works fine but it is slow compared to a finely tuned spec writer's database and, like most purchased databases, it covers methods and products not normally used in your area which means further editing. It seems this latter

system would be the one most beneficial to beginners.

As most of you know, whether we like it or not, we are going to go metric. Back in the mid-70s, our government told us to go metric. After I changed most of our specs over to metric, that same government said: no, we are not going metric, go back to the regular measurements. I did keep a conversion chart for dimensions and temperatures. This was placed only in Section 01092. My idea was, and still is, to show only metric measurements in the specification sections. If one places both U.S. customary measurements and metric within a specification, most readers will pay no attention to the metric.

The last item is about toxic materials being used on projects we specify. These create a situation which falls under the slang heading of "sick building syndrome." We hear of people getting sick in certain buildings. Many times it is believed something toxic was used during construction or remodeling that affects the health of workers. For example, certain adhesives may cause problems. What to do about it? Ivan McCormick recommends placing wording in Supplementary Conditions (AIA General Conditions A201) as follows:

Subparagraph 10.1.2. (Delete and replace with following): Hazardous materials such as asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic substances shall not be allowed on the site nor be used in the Work. The Contractor shall notify the Owner immediately and stop work in the area affected if any one of the products or materials specified in the Contract Documents or proposed by the Contractor or its subcontractors or material suppliers or encountered on the job site contain or are suspected to contain hazardous materials in any form, so that a qualified consultant retained by the Owner can determine whether such materials may be used in the Work or need to be removed from the site or rendered harmless in a manner which will not adversely affect the health of any persons and which will comply with applicable governmental laws and regulations. Work in the affected area shall be resumed in the absence of any hazardous materials or when it has been rendered harmless by written agreement between Contractor and Owner.



Region Director Sandi Velleca from the Cook Inlet Chapter visited our Chapter at the October Dinner Meeting

DINNER MEETING—October 12, 1993

The Contractor's Share Group produced a panel discussion, *What Makes Good Bid Documents*, for the October dinner meeting. The meeting was held in coordination with Architecture Week which was co-sponsored by Portland CSI. Bruce Townsend served as moderator and the unbiased arbiter of time allowances.

Mr. Joe Bolkovatz, VP of estimating for D.M. Drake, discussed Contract Conditions and General Requirements concerns. Joe indicated a preference for AIA's A201, General Conditions of the Contract for Construction, but noted that Supplemental General Conditions often modify provisions unfairly. He advocated industry participation in developing and reviewing insurance requirements.

Mr. McKune, VP of Operations for Emerick, emphasized open communication with the owner and design professional and the necessity for clear and concrete documents. He discussed past problems with inaccurate record documents and out-of-date material specifications for products no longer manufactured. He advised thorough coordination between the documents and accurate representation of project conditions and requirements.

Mr. Dan O'Brien, President of Current Electrical, provided illuminating statistics on volatility in the number of general contractors licensed in Oregon, and advocated careful pre-evaluation of a bidder's eligibility. Don highlighted the importance of effective coordination of trades. He welcomed the increasing use of Partnering and Total-Quality Management techniques which he has seen used with great success in other regions.

Mr. Nash Hassan, of RA Gray and Co.—Purcell, Inc., underscored that modifications to the documents during the bid period often lack clarity, are poorly coordinated and are disproportionately costly to the owner. Nash reminded us of the hallmarks of good documents: Absence of claims, timely completion and good relationships.

Discussion was lively and informative and concluded punctually under Bruce's firm hand. The panel format afforded a useful overview of the broad range of issues regarding effective and fair construction documents. The Contractor's Share Group is to be congratulated on their successful effort which certainly had the hallmarks of good documents. 80 members and guests attended.

Jim Wilson and Kevin Martin

NEW MEMBER ORIENTATION

The Portland Chapter of CSI will conduct a new member orientation on November 9, 1993, from 5:00 p.m. to 6:00 p.m. (prior to the regularly scheduled dinner meeting).

We will meet in a private room on the 41st Floor of the US Bancorp Building, 111 SW 5th, Portland, Oregon. This room is adjacent to our dinner meeting room.

Please come and meet the Portland Chapter officers and committee people, and receive your membership pin.

If you just have joined CSI in the past 6 months and have not yet been "oriented," this meeting is for YOU!!

Complimentary wine and snacks will be served. Please call me at 635-6227 and say you will be there!!

Inge Annelise Carstanjen, Chair

PROVIDENCE CHILD CENTER "HOLIDAY OF SHARING"

Giving is a pleasure no other can duplicate. With that in mind, we kick off the CSI "Holiday of Sharing" at our November Dinner Meeting. In conjunction with the building drive for the new wing at the Providence Child Center, CSI has been helping the Center promote their brick sales program. We want that to continue, but in the rush to collect building funds, it is important to remember the 54 children who live at the Center.

Each of these children have special needs. Each of us can help by selecting a child's name from the sharing tree (which will be at the November Dinner Meeting). Then bring a gift for that child to the December Dinner Meeting or the AIA office. The gifts will then be distributed to the children for Christmas. In turn, we will have the opportunity to find out more about the whole facility and its new wing at the December meeting.

Jim Rother

TO NEWSLETTER CONTRIBUTORS

If possible, please submit article on an MS DOS diskette (3½, 5¼, DD, HD—all okay) in WordPerfect (5.1 or 6.0) or ASCII format. Please indicate format and name of article(s) on outside of disk.

Inserts to be distributed with the newsletter must be submitted unfolded (8½" by 11" size).

Submission Date Articles must be submitted by the Friday after the dinner meeting (November 12th).

CRUNCH TIME!! I expect to be out of town from 11/20 TO 11/27. Please definitely submit articles by the 12TH.

In this best of all possible volunteer organizations, I appreciate your help!

The Editor

The Specifier's Best Friend

In its guidelines for product evaluation, the CSI Manual of Practice lists five major aspects to be considered, one of which is the manufacturer. (The other four are: product characteristics, installation, initial and operational costs, and maintenance.)

To the Manual's discussion on the evaluation of manufacturers, I would like to add one factor: the manufacturer's representative.

A good manufacturer's representative is, without a doubt, a specifier's best friend. If two products are equal in most other aspects of evaluation, I will choose the one that has the best representative. One of my most prized possessions is my list of reps.

This is what I expect of a good representative:

First, the personal touch: The representative must work with the specifier regularly, and be familiar with the specifier and with the master section used. The representative should also work with other members of the firm (or with the specifier's clients), so that when the product is specified, the other members of the team are already familiar with it. I make a point of asking the reps I work with to give lunch talks to, or otherwise visit with, the people I specify for. I also make a point of asking them to distribute their literature freely to other members of the team.

Second, technical knowledge: A representative must be capable of answering most technical questions on the spot, since most of the time the specifier calls when already working on that section, so the specifier cannot wait. Since not all reps are readily available, having a good backup technical team is important.

A good rep will share knowledge, even when it will not result in an immediate deal. There are issues, such as corporate stability or a certain contractor's reputation, which are only known to insiders and may affect the selection of a product; the rep should alert you to these issues and protect you.

Third, field support: During application or installation, I like to know I have field support readily available, even if it is not called for in the specifications.

For certain products, such as roofing, a simple phone conversation won't do it, at least for most of the projects I specify. I need that representative to look at the drawings, to go on that roof that needs to be repaired, to make sure I have the right design and the right spec.

Fourth, professional responsibility: A good rep tracks the bidding process and works with the distributors to ensure product availability. If there are problems after construction, a good rep will show up and help solve the

problems, even if they happen after the job was completed.

Fifth, and most importantly, I like friendly reps: Since I do not know as much as they do, I do not like it when somebody tries to take over the decision process, patronizes me, or tries intimidation. I also resent pressure, I have enough of that. A rep with good manners and a healthy dose of courtesy will always be welcome and appreciated.

*Gloria Rasmussen, CSI, CCS
Specifications Consultant*

BILL CHARLTON, CSI (died August 1993)

Bill Charlton worked for International Pipe & Ceramics (Gladding-McBean) in 1967 when he joined the Portland Chapter CSI (a 20-year member). Bill ran for the Board of Directors of the Portland Chapter in 1969 (but not elected) and was appointed to the Membership Committee—Chair position.

His recruits include such present day continuous members as Ivan McCormick, Don Eggleston, Tom Clucas, Jerry Van Scoy, Pat White, Jim Potter, Alton Hooten, David Stewart and me. Bill convinced me that CSI was the best group of construction industry people. He was right.

From 1969 until 1981, when Bill retired, he was working for Interpace—a merger of Gladding McBean and another (now non-existent) company. Bill brought me my last Gladding McBean catalogue which I kept for years (probably have it yet). Prior to 1976, Bill worked for Gladding McBean in Los Angeles (their headquarters).

In 1973, Bill helped on the teams of judges for the Institute's "Specification Competition" judging. The judging in those days was done by the host chapter for the next National Convention. (Portland hosted the convention in 1974.)

Bill was a chapter meeting regular until he retired and even later through 1985. Interpace was a sponsor of our 2nd Product Fair (1976—the year Bill joined) and probably regularly through 1986. Thanks Bill!

*Margie Largent
Chapter Historian*

P.S. Thanks Phil M.

CDT/CCS/CCPR CERTIFICATION 1994

The certification examinations offered by CSI will be given on April 2, 1994.

The **Construction Document Technologist (CDT)** program is an introductory educational program intended for all members of the construction industry. The CDT exam for '94 remains essentially unchanged from last year. Candidates may study from the new *Manual of Practice (MOP)* Construction Documents Fundamentals & Formats Module plus the published general conditions AIA A201-87 and EJCDC 1910-8, 1990 edition. Application fee for the CDT exam is \$85 with a deadline of January 15, 1994.

The **Certified Construction Specifier (CCS)** program has been revised to better reflect job specific skills of the construction specifier. CCS will focus on knowledge, comprehension, and ability to apply the principles described in the Construction Documents Fundamentals & Formats Module and Construction Specification Practice Module of the *Manual of Practice*, plus the published general conditions AIA A201-87 and EJCDC 1910-8, 1990 Edition. Application fee for the CCS exam is \$100 with a deadline of December 15, 1993.

The **Certified Construction Product Representative** program is focused toward the construction product representative with five years experience assisting design professionals in the use of construction products and preparation of guide specifications. The certification examination will evaluate the candidate's knowledge, comprehension, and ability to apply the principles recommended by CSI in the Construction Documents Fundamentals & Formats Module and Construction Product Representation Module of the updated *Manual of Practice*. Application fee for the CCPR exam is \$100 with a deadline of December 15, 1993.

Prerequisite for CCS/CCPR

The CDT examination is a prerequisite. This means that the candidate must pass the CDT examination before qualifying for either the CCS or CCPR examinations. It is *strongly* recommended that candidates take a multi-year approach to obtaining their CCS or CCPR certification by taking the CDT examination as soon as possible in their careers.

Although not recommended, candidates who have the required experience may take both the CDT and CCS or CCPR exams in the same day. Passing the CDT exam will initiate the grading of the CCS/CCPR exam. However, if the candidate fails the CDT exam the CCS/CCPR examination will not be graded and the application fees will be forfeited.

Manual of Practice MOP

The *Manual of Practice* was reorganized (1992) and expanded into three separate modules:

- Construction Documents Fundamentals & Formats
- Construction Specifications Practice
- Construction Product Representation

These modules will be available for purchase in individual units for examination candidates and for all members interested in updating their MOPs.

Instruction Classes:

Classes in preparation for these certification examinations will occur beginning early in February 1994 (a minimum cost and schedule is being developed). For more information about these programs and instructional classes, contact:

David R. Brown III CCS—(503) 224-3860

Michael Bourgo CDT—(503) 669-8852

More Networking at the Dinner Meeting



**PORTLAND CHAPTER CSI
BOARD OF DIRECTORS
MINUTES OF MEETING
August 31, 1993**

The meeting was called to order by President John Lape at 12:10 p.m. at the AIA/CSI office. **Present:** Brown, Chew, Hymes, Kuykendall, Lape, Largent, Murphy, Watson, Wilson, Wissler. **Absent:** Heiserman, Hirte. **Also Present:** Lee Kilbourn, Ken Searl.

Discussion: Approval of Minutes. Minutes of the June 1, 1993 Board of Directors were read with the following corrections noted: a. Wissler was present at the June 1, 1993 meeting. (Minutes published in October issue were of the June 4 meeting. Editor note.)

Treasurer's Report: A current balance of the Chapter's funds in both the checking and savings accounts were given.

Old Business:

1. The Chapter will acquire a credit card machine for processing charges at the monthly meetings. Atwater's has been charging the Chapter \$2.00 for each card processed. Visa will charge 2% for processing.
2. A motion was made to approve Dick Gira to Retired Membership and Rod Moorman to Emeritus Member status. Motion passed. Lee Kilbourn will process paperwork.
3. The Chapter long-range-planning committee meetings have gone dormant. John Lape will develop new schedules and agenda items.
4. The Institute has acknowledged receipt of the Chapter Bylaws' proposed amendments. They will be reviewed by Jane D. Baker, FCSI, CCS.

New Business

1. Region Director Sandi Velleca's term expires June 1994. Two people from the Region have been nominated. They are: Bob Kenworthy and Adkins.
2. There were 35 people in attendance at the CSI Membership conference in Las Vegas, Nevada the last weekend of August. The Chapter was represented by John Lape and Kathryn Wissler.
3. It was noted that an *End of the Summer* picnic is being planned; it will be at Wemme, Oregon on September 17th for all persons in the local building industry. Sign-up forms will be included in The Predicator. Cost is \$15.00 per person.
4. John Lape met with Performance Publishing regarding the Chapter Directory. A proposal was made to delete the narrow and medium scope listing in the directory.
5. The Portland Chapter AIA is coordinating a week-long program entitled *Architecture Week* starting October 9, 1993. They have requested that the Portland Chapter CSI participate as a Sponsor and contribute \$2,500. As a sponsor the Chapter will have one of the events during the week to promote CSI. A motion was made to spend a

minimum of \$500 and a maximum of \$1,250 of Chapter funds towards this event. Discretion of the exact amount will be determined by John Lape. Balance of sponsorship to be from membership contributions. Motion Passed.

5. The University of Washington is publishing a directory geared toward professionals which is called Cascadia Forum. They will give us one hundred copies for distribution at our monthly meetings.

Committee Reports Due to the length of the business items, committee reports were not heard this month.

Next Meeting Date: October 12, 1993.
Meeting was adjourned at 1:10 P.M.

Richard Heiserman
Secretary

DON PAINE, FCSI

I was very sad to read that Don Paine FCSI of the Seattle Chapter CSI passed away last month. Don was very instrumental in the formation of our Portland CSI Chapter.

I met with Don at many CSI functions and discussed CSI items and other issues.

One interesting story that Don told me appealed to me very much. I remembered it and thought I would pass it on to you folks. During World War II Don and his wife lived in Seattle and they became friendly with a military person from England evidently stationed in Seattle. They showed him around the Seattle area and often invited him over for dinner and other visits during his stay in the States. Apparently they continued to correspond with this person after the war was over. Don told me that several years later when he and his wife decided to take a trip to England, they wrote to this person to tell him they were coming. Don says when they got there they were very surprised and overwhelmed! Not only their English friend—but the whole town—turned out to welcome them. This happening shows just what a caring and considerate person Don was.

Incidentally, Don was our CSI's Northwest Region second Fellow. Frank Stanton was first and Dick Ehmann was third. It is noted our Region has a total of 14 Fellows, 11 living and 3 deceased.

Ken Searl FCSI CCS

CONTRACTOR'S SHARE GROUP Q & A COLUMN—*Marty Lundell*

- Q. Could you provide some examples of bidding situations that cause general contractors ethical dilemmas or which may be interpreted as such by the marketplace?
- A. The following are some scenarios that occur in the industry:
1. An out-of-town GC prepares a bid using his own estimates for subcontract work. When he is successful in getting the job, he then bids the job to interested subs using his estimates for a budget.
 2. A GC receives hundreds of bids on bid day, via fax and phone. He uses the apparent low bids and submits his bid to the owner. After he gets the job, he carefully reviews the bids, reads the scope letters, and attempts to develop an apples-to-apples comparison. This could involve obtaining adds and deducts from the sub bidders who may be close to one another. Frequently, the "order" of the bidders changes to reflect the corrections in scope.
 3. Same as number 2, but the GC allows his favorite bids to different GCs. The GC uses the bids provided and goes on to award to "Subcontractor A." "Subcontractor B" believes that he is low (from the word on the street), and is certain that the GC is shopping his bid. The GC has no idea that "Subcontractor B" was low on the street.
 4. The project documents require that a sub list be turned in with the bid to the owner. A GC does so, but later, after sorting out the scope on the sub bids, finds that he made a mistake and tells the owner that he needs a change.

The list could go on and on. I am sure that many of you could relate experiences that you found frustrating. In fact, please send them in! We would really appreciate your comments! The Contractor's Share Group needs your feedback.

Please send your comments, questions or responses to Marty Lundell. (Fax number is 682-2190.)

The next regular Contractor's Share Group meeting is Tuesday, November 9th, at the 2nd floor conference room, 1200 NW Front Avenue (Albers Mill Building).

Marty Lundell

LETTERS TO THE EDITOR

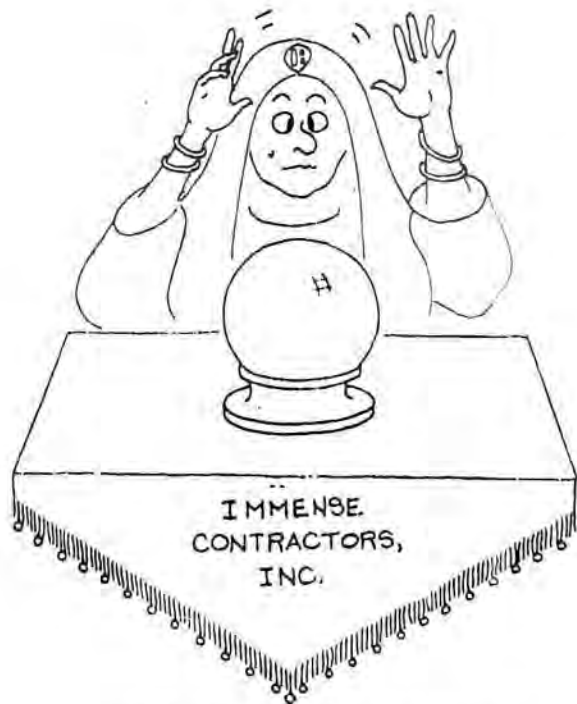
In today's mail, addressed to me personally, came an invitation to join the National Society of Professional Engineers!! WOW!! Almost 50 years ago, I did apply to enter Cal Tech and, in response, I received a postcard saying that they had no facilities for training women—a bidet??? So I decided to take the "easy road" and....become an architect (joke intended). Oh! that I had saved that postcard.

But the real reason I am writing is to let you know The Predicator is being read in the San Francisco Bay area. I received a telephone call from Dick Schroeter, P.E. (Hey!, maybe he sent my name to the NSPE!) Dick just happened* to read my comments about his *Metal Roof Systems* program presentation (Houston 6/23/93). I had suggested that maybe next year's schedule (in SF) would allow him more time, that he could then could talk slower (Architect's speed), and we could be better informed on another timely subject.

Margie Largent

* He said Diane Hamilton called him.

P.S. Also, the Portland CSI delegation is to be given a private garden tour: Dick lives in the Bay Area.



WHILE ANALYZING THE SPREADSHEET FOR THE MAMMOTH GENERAL HOSPITAL BID, THE CHIEF ESTIMATOR IS SHAKEN BY AN ETHICAL DILEMMA.

WHAT'S GOING ON?

November

- 2 Board of Directors, 12-1:00 p.m.
 9 New Member Orientation
 Dinner Meeting, Atwater's
Solid Surfacing
 10 Noon Seminar—US Bank
"Specifying Solid Surfacing"
 18 SEAO—Seminar

December

- 7 Board of Directors, 12-1:00 p.m.
 14 Dinner Meeting—Atwater's
Providence Child Care Center Benefit
Giving Tree

January

- 4 Board of Directors
 11 Dinner Meeting
 CSI Member "Roast"

CSI ROSTERS PUBLISHED

New rosters for the CSI Puget Sound Chapter have just been published and are available for purchase. The 140 page pocket-size rosters are spiral bound to lie flat. In addition to the alphabetical listing of members, a Masterformat classified section is included with products and services offered. Information regarding cost and mailing is available at the CSI office (206) 382-3393, or by fax (206) 626-0392.

SEAO SEMINAR: DESIGNING FOR EARTHQUAKES THE FUNDAMENTALS

This two-evening seminar is presented by the Structural Engineers Association of Oregon, in cooperation with the Department of Civil Engineering at Portland State University.

There is geologic evidence that periodically Oregon may be subject to large earthquakes, and, in January 1993, western Oregon was moved into a higher seismic zone: UBC Zone 3. For this reason and because of the recent Scotts Mills and Klamath Falls earthquakes, it is time for design professionals to review the fundamentals of good seismic design. This concentrated, two-evening seminar is offered as a review of the basic principles of structural engineering with regard to the design of buildings to better resist earthquake forces. The seminar will also cover the many effects of a significant earthquake in or near Portland and how we in the engineering and architectural community can and should prepare to deal with them.

(Continued in next column.)

Around the Region . . . a calendar of meetings

- Cook Inlet, Anchorage, Alaska
 Third Tuesday
 Ken Maynard—(907) 276-4218
 Idaho, Boise
 First Tuesday
 Scott Henson—(208) 345-6677
 Mt. Rainier, Tacoma, Washington
 Third Tuesday
 Cheryl Rue—(206) 383-3084
 Portland, Oregon
 Second Tuesday
 Jody Moore—(206) 574-3449
 Puget Sound, Seattle, Washington
 Second Thursday
 Relta Gray—(206) 382-3393
 Capitol, Salem, Oregon
 Second Thursday
 Darwin Doss—(503) 327-6633
 Spokane, Washington
 First Tuesday
 Tom Crossan—(509) 327-6633
 Willamette Valley, Eugene, Oregon
 Last Thursday
 Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)

16-DIVISION DIVIDER SETS AVAILABLE

Portland Chapter CSI now has TAB-CSI 16-division divers in stock for immediate delivery. Member price is \$4 per set. These dividers are of heavy weight stock and have mylar reinforced tabs and binding edges. Pick up some sets today!

Lee Kilbourn

The seminar fee includes a light snack, with cold drinks and coffee. All *pre-paid* participants will receive a set of the speakers' notes. Advanced pre-paid registration is requested, but it will be possible to register for the seminar at the door. Pre-paid registration forms must be received by November 1, 1993.

- When:** 5:00 to 9:30 p.m.
 Thursday & Friday
 November 18 & 19, 1993
Where: Ballroom, Smith Memorial Center
 Portland State University
Cost: \$60 per person

Make checks payable to SEAO. Send name, firm name, address, phone and fax numbers, and check to:

SEAO
 P.O. Box 4801
 Portland, OR 97208-4801

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 1991-93 President
 Hirte CDT 620-0106
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 James Robertson FCSI, CCS
 (503) 342-8077
 Jury of Fellows
 Dave Thomas FCSI (206) 337-8971
 Technical
 Chris Bushnell CCS (206) 357-9988
 Education—Ron Eakin (503) 686-3355

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 Adkins CCS (206) 633-3182
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 Dick Kissick CCPR (206) 383-9790
 Publications
 Brad Williamson CCS (206) 623-4646
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 301 Danner Ave., Suite 200
 Anchorage, AK 99518 (907) 349-5148

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

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 & PLANNERS



The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 4

December, 1993

Happy Holidays!

The rearing of the winter solstice signals a time of introspection & renewal, time to lay down cares and look up, breathe deeply, and laugh the laugh of joy and rebirth. May your road be even and the sun shine brightly. Have a very happy holiday season and may the New Year bring all you desire! Inqz

Dinner Meeting:
December 14th
5:30 No Host Bar
6:30 Dinner
7:15-9:00
Program
Cost: \$20.00

R.S.V.P. by
3:33 pm Friday,
December 10th;
call the
Association office
at (503) 223-8231.

Can't make
dinner?
Come for the
meeting at 7:15.

Please bring your
gifts for the
children with you
to the December
meeting; or you
may deliver them
to the AIA/CSI
office, 315 SW 4th
9 am to 5 pm.

Portland CSI's Celebration of Giving

This holiday, CSI is reaching out to a unique organization that is in the middle of an extensive building project. Many CSI member firms in the local construction community have helped build this project with donated labor and materials, and many CSI members are bringing gifts for the 54 children that will live in the new building.

Providence Child Center is the recipient of our efforts. As the only Northwest skilled nursing center dedicated to children with severe physical and mental disabilities, it has special needs for space and for community involvement. Built entirely with donations, the funding effort for the \$5 million dollar facility has been spearheaded by a dedicated staff with the architect and general contractor.

Tuesday, December 14, 1993, the Child Center team will share their experience and slides of

the project. **Randy Jurgens, AIA, Principal In Charge** for **Jon R. Jurgens & Associates**, will present the challenge of accomplishing the program with donated funding. Working with a solid basic design, the architects actively solicited contributions that filled in details.

Don Geddes of Walsh Construction Company, who personally recruited over 90 participants, will speak about his insights on making this project come together in the field with a subcontractor force that is donating a good portion of the work. **Bryce Strang of Providence Child Center** will join us with the owner's perspective. Bryce, who works tirelessly to muster support for the Center, reports the Brick-By-Brick campaign has been generously supported by CSI members. And tonight he will collect gifts for the children whose names were selected at last month's meeting.

Come and share the enjoyment of a successful collaboration by a giving team!



NEXT MEETING
US BANCORP TOWER

TUESDAY
DECEMBER 14, 1993

41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE

The President's Message



John Lape CCS, President

During the last few months, the Board has again considered the issue of advertising in the Predicator. We attempted to weigh the anticipated \$3,000 to \$4,000 income versus the effort involved in securing and invoicing for the advertisements, as well as the visual clutter they would bring to the newsletter. In years past, our newsletters have had advertising and many other CSI Chapter newsletters do have advertising of some sort. There are a number of persons, however, that enjoy the relative crispness our newsletter offers. We do also have the option of allowing a single page insert at a relatively bargain price. During its deliberations, the board realized that, while the revenue would be nice, there has not been a clamoring of persons wishing to advertise. In fact, we have had no inserts this year and the only inquiry we had from a perspective advertiser was from the Seattle area. The Board, therefore, voted that, for the time being, we would not have advertising in the Predicator but would continue the inserts—with a price change to \$200.

At the November Board meeting the Board approved my request to seek a second year in the President's office. After a few procedural moves, the Chapter membership will have an opportunity to vote on a second-year option. This procedure was set up to permit a longer period of time for those that wanted more time to work on their direction for the Chapter. At the same time, a checks and balances was instituted so that both the Board and the Chapter membership could make a change when a change is warranted.

Jim Chaney, our Institute Director from the Willamette Valley Chapter, visited the Board in November. He provided us with some insight on the National level. I found one of his comments particularly interesting: He spoke about how CSI is an association in transition. CSI began as a principally specification focused group. Over the years, as the membership has diversified, so has the focus. For further evidence of this, one needs to look no further than the heading on CSI's mission statements.

"The mission of CSI is to advance construction technology through communication, education, research and service." Notice that the word *specification* is not included in this statement. The first mission statement states: "Solidify the purpose, image, and understanding of CSI throughout the construction industry." This is explained with the following

sentence: "CSI is striving to be recognized as the leader in construction communications and has stated the objective of 'Advancement of Construction Technology.'" The document even offers a definition of construction technology: "The application of knowledge to achieve practical results in the assembly of components."

Our Chapter will conduct a planning session at a Chapter meeting within the next year. We will analyze some of the statements above and will start the process of setting a long-range direction for our Chapter. Please plan to help our Chapter in this task when the opportunity presents itself. As we wait for an opening in our Chapter meeting schedule to conduct this meeting, I would welcome your input.

HERB McCOY, CSI (died August 1993)

"Don't ask...." What's that famous quotation? "Don't ask for whom the bell tolls...." All are diminished by the loss of any. I feel diminished by the loss of Herb McCoy, CSI.

Herb joined Portland Chapter CSI shortly before me, in 1963, the year after the Columbus Day Storm. He was then with Empire Building Materials, but went with Central Premix (1974-1979), then with Morse Bros. (1979-1983). He repped them all well.

During his membership in Portland Chapter, he supported the Chapter with a card ad in The Predicator, served as program panelist on *Fixed Concrete Forms* (1967), served on John Crook's Technical Committee on Fixed Wood Forms (1969), served on the Publications Committee (1970), served as Chapter Industry Director (1970-1972), and served on the Nominating Committee (1972). He did them all well.

If you never knew Herb McCoy, you missed knowing an exemplary individual and contributor. Margie Largent, who did the research for this article, reminded me of an embarrassing situation in 1968. The Nominating Committee had asked Herb, and he agreed, to run as Industry Member of our Chapter Board of Directors. Because, however, an existing Director's status changed from Professional to Industry, the opening for an Industry Director evaporated. As Chapter Secretary, I had to ask Herb and the Nominating Committee to withdraw his nomination. Herb made an embarrassing situation for the Chapter and himself evaporate almost as quickly as the opening had. Herb McCoy was classified as an Industry member, but his conduct and service to Portland Chapter CSI was truly Professional.

So long Herb. I'll miss you.

Larry Brown, FCSI

BS BY KS



Basic Specs by Ken Searl

Over the years I have discussed many topics in this column. Someone asked me just what topic seemed to be the biggest, most obnoxious or the most important. After giving it considerable thought, I decided substitutions and enforcement of specifications met all of the above criteria.

Many people have discussed this subject, especially at seminars and CSI chapter programs. Several years ago, a seminar about this, sponsored by Willamette Chapter CSI and held in Eugene, won a national CSI award. I was on the panel and the seminar had a good attendance.

Why has this topic been so popular? It appears to me it is because of rampant unauthorized substitutions, and that the lack of enforcement is very harmful to the industry.

How did we get into this situation? Like many things, it came upon us gradually and now appears to be a real monster.

Many things contribute to this situation, including specifiers who don't say what they mean and don't mean what they say. It is believed many specifications are not enforced due to price considerations and the hope of getting the bid within the budget so the project can proceed. Sometimes value engineering has caused specifiers to specify a product or system they are not too familiar with. Value engineering, if not handled properly, can and often does get a project within budget but with inferior products.

An item I feel contributes to the problem and probably has helped escalate the situation is that some agencies do not allow pre-bid substitutions. Canny or rascally bidders accept and look for lower sub-bids for a non-specified product with the thought that they can get it approved or accepted later. This is one reason they are the low bidder. This type of bidding can also mean they get the job! Now,

is this the way things should be done?

In my opinion, about half the time, the main reason for a substitute is strictly price; with a lower price, the quality is usually lower. The rest of the time, the reason for substitution is that many suppliers feel their product is as good or better than the one specified and they want a chance to sell their product. This is a good reason, but it would be much better to convince or to prove to the specifier prior to bidding just how good their product really is compared to the specified product. Specifiers need adequate time to evaluate products.

Many times after a contract was awarded, I've had a rep call on me regarding a non-specified product only to be shocked and unable to understand why I won't approve it. They usually try to make me see that an after-approval is a common occurrence and wonder why I am so hard nosed.

One of the oldest tricks in the book is for a contractor or supplier to delay in ordering the specified product so that they can come crying that they can't get it soon enough so will just have to order good old Brand X. Brand X, of course, always seems to be available. Yep, you guessed it. It is cheaper and doesn't fit in too well. I have yet to hear of a credit offered in the acceptance of a Brand X.

Another problem can occur when any wall or system requires sound insulation. What is the owner going to do when the building is scheduled for immediate opening and a field sound test fails? This, of course, occurs even though the manufacturer's literature and the factory rep guaranteed the sound insulation would meet the test.

Remember when you specify a product or system that you must be sure to determine the availability, and you must be sure it will fit within project time allotted. Don't forget about the CSI Northwest Region substitution request form that is approved by all CSI Chapters within the region. Many specifications have them, and they are obtainable at plan centers and architect's offices.

**When I was young there was
no respect for the young,
and now that I am old
there is no respect for the old.
I missed out coming and going.**

J. B. Priestley

NEW MEMBER ORIENTATION



New members oriented on November 9, 1993 (shown left to right):

Ron Milstein, Building Tech Bookstore; Bob Schiller (with guest—brother Steve), Schiller & Vroman, Inc. Painting; Peter Jensen, Insulgard Corp.; Sandra Jamison, Administrative Asst. Century West Engineering; Pravin Jain, McClure Industries

WHAT PRICE PRODUCT REPS? Reprinted from "The Spectrum"

by Anne Whitacre, Matson/Whitacre Inc.
Member of Puget Sound Chapter, CSI

I spent 45 minutes on the phone this morning and made five phone calls in order to have a 10 minute conversation with someone who knew what he was talking about. Every time I try to call a technical representative, I go through the same experience and every time, the other people in my office hear me grumbling about "torture". I simply used to specify those products that had local representatives who I knew would call me back. Now, with the downsizing of representative staffs, that would leave me with an unusually (and unworkably) small number of products to choose from.

My journey this morning started (as it always does) with a fairly simple question that a good tech rep could answer in a few minutes or less: "Your competitor shows this extra strength reinforcing for special applications . . . do you have something like this so I can specify comparable systems?" What I expected was a "yes" or "no" answer, with maybe a sentence or two of explanation. I could then finish my memo to my client and get on with another project.

My first phone call was to the local factory, located 30 miles from Seattle. "Our entire sales staff is at a retreat in Canada. I can probably answer your question, though." I gave that a try. My experience is that the person who does reception duty in most firms doesn't answer technical questions, but it doesn't hurt to try. She didn't understand the question, so I had to explain it. Finally, after my explanation, she admitted that she didn't have a clue to the answer, but someone would "get right back to me" only they just called in for messages and wouldn't call again for five hours. I left my name and number.

So, I worked my way down the west coast. The Phoenix office informed me that they did things differently than Seattle, and besides, they were all out to lunch, but someone would call me back "right away". Again, the front desk person insisted on trying to answer my question herself, and again, I got involved in a complicated explanation that proved fruitless.

So, I called the New York office. My usual procedure is to start with my local office, work down the west coast and then work east, until I can find someone with an answer. Again, in New York, I got a receptionist who put me on permanent "hold", didn't speak English very well, required me to spell out my question, and then decided that the person I needed to talk with was in the office after all. FINALLY, I was able to talk with someone who could answer the question and give me quite a bit of additional advice. My final phone call, once I got to the technical rep, took about ten minutes. It took me over forty minutes to find that person. (And, I haven't yet received return calls from the others who would "call me right back.")

Keep in mind that my inclination (when I get shunted around the phone system and waste my time) is not to specify the product that belongs to a company that is non-responsive to my questions. That isn't always possible. There's a ceiling company that I use frequently simply because it has a virtual monopoly on the types of products that my clients want to use. If I had my druthers, I would throw out their catalog and use someone else. I've never gotten a call back from their "local" rep (three states away) and my catalog is never updated. I don't see why a specifier that handles over \$200 million worth of work a year has to come begging for some information about the moisture absorption of a ceiling panel. I also have threatened to throw out catalogs of the glass company that gave me and my clients five different answers (from seven different people) about delivery times for a proprietary glass product that we specified with no substitutions, and then threatened not to ship at all. Or the fireproofing manufacturer who declines to offer a warranty on anything but their inadequate standard spec.

I'm in the business of serving my clients and being responsive to them. I don't have a monopoly on my services and my reactions to my clients are based on the fact that I know they can go somewhere else with little trouble. I expect product reps and manufacturers to treat me the same way. Next time your head office decides to "down size" the product rep staff, keep in mind that your catalog just left my office in the "round file".

IMPROVED CHAPTER DIRECTORY IS "IN THE WORKS"

Work is underway for the next edition of the Portland Chapter CSI Directory and Specifiers Guide. As many of you know, the '93 Directory was a new format for the Chapter. It was received by the members with much enthusiasm and a few suggestions on ways to make it an even better guide to the industry.

The purpose of the directory is, of course, to create a networking tool. The directory is a place where members of the design community can find information about local products and services. Architects and engineers won't be the only ones using the new guide, however; others who will benefit will include designers, general contractors, subcontractors, industry consultants and other construction professionals who need quick access to the people who serve the industry.

The 1994 directory will once again be produced by Performance Publishing, Inc. "The directory will follow the same format as last year, with some new enhancements," said Greg Belair of Performance. "For starters, look for a new spiral binding that will make the book lay flat when opened; and you can expect a revision in the way the information is placed in the Classified Section. These changes, along with a few others, should really give us a great product."

Members are encouraged to "be a part" of the new directory. If you represent a product or provide service to our industry, use the directory as a way to tell your fellow professionals about what you do and how you can help. This is an ideal way to create some awareness of your company and to help our industry at the same time.

For additional information on how you can advertise in the new guide, contact Greg Belair at Performance Publishing at (503) 232-8542.

PROSPEC '94 EXHIBIT FOR THE CONSTRUCTION INDUSTRY To Share Focus with AIA on the Pacific Rim

ProSpec '94, sponsored by the Construction Specifications Institute, Puget Sound Chapter, will hold this seventh annual event on August 4, 1994 at the Washington State Convention and Trade Center in Seattle.

The 1994 date has been scheduled to coincide with the 100th Anniversary of the American Institute of Architects in Washington State. AIA-Seattle will host the Northwest and Pacific Regional Conference the following weekend. The AIA theme is *Designs for Pacific Cultures*. Participants from Pacific Rim countries will be invited.

ProSpec '94 exhibit space will accommodate 180 exhibitors. Many manufacturers and service representatives have

Values Change for Each Generation

At a spring conference for the American Pipe Fittings Association, speaker Ronald Canham, president of Canham & Associates, spoke of dividing the adult population into four major "value groups":

Traditionalists. The over-50 generation, about 25 percent of the work force, now runs most top corporations. This group has built the American economic system. But they may cause their own downfall because they resist change.

Schizos. The 42-to-50 group, about 7 percent of the work force, fits between the traditionalist and the younger "boomers." This "silent generation," says Canham, is not sure where it fits and may help build consensus between the other two on issues.

Baby Boomers. More than 53 percent of the work force is aged roughly 28-40 now. They view themselves as different or unique from previous generations and feel they are entitled to rewards without working hard to earn them.

Baby Busters. Characterized by having short attention spans, this group of 18-27-year-olds, says Canham, is concerned about the environment but lacking in commitment. They are reluctant to take risks. If something is seen as a hassle, the "baby buster" won't do it.

New techniques, says Canham, are required to deal with employees with these values.

—APFA Pipeline, May 1993

CSI's 38th Annual
Convention and Exhibit
June 24-26, 1994
Moscone South
San Francisco, California



Advancement
of Construction
Technology



secured space with advance registrations. A series of seminars will be offered in conjunction with the exhibits.

Shannon Linker, CDT, ASC Pacific, Tacoma, is chair of ProSpec '94; Roger Williams, AIA, is conference chair for the Regional Conference.

Information about early exhibitor reservations and discounts available for ProSpec '94 may be had from the CSI office by phone (206) 382-3393 or by fax (206) 626-0392. The AIA conference events list may be obtained from AIA-Seattle: 1911 First Avenue, Seattle, Washington, 98101, (206) 448-4938.

Relta Gray, CSI

MORE ON HAZARDOUS MATERIALS

In his last column, Ken Searl addressed the issue of protecting the parties of the construction contract from the problems arising from hazardous materials on the job by offering an alternative to AIA A201 Subparagraph 10.1.2 (which was suggested by my good friend Ivan McCormick). To this, I would like to add my twopence-worth of experience in the matter.

Hazardous materials on the job can be classified as those which are present at the site before the job begins—such as contaminated soil or existing asbestos materials; and those which are introduced during construction—such as emissions from products being installed. Both types should be addressed in the contract for all but the most elemental of jobs.

Adding a clause to the Owner/Contractor contract, similar to the one Ivan suggested, is always recommended whether or not we suspect the presence of hazardous materials on the site or whether or not we are using AIA A201. In addition, I would recommend that the specifier ensure that the complete procedure to restart the work, after the hazardous material problem has been solved, is contained in the specs. Issues, such as how is the site ascertained to be safe, how are additional costs to the contractor and owner to be handled, how will the contract time be modified, and so on, must be covered.

If it is known before starting construction that there are hazardous materials on the site, the scope of the work and responsibility of each party must be clearly spelled out in the construction contract. In doing so, it is important to remember that only the parties who take part in the contact may be assigned any responsibility in handling the hazardous materials problem.

Hazardous materials which might be contained in new construction products can be prevented through the usual Quality Assurance section of the contract, e.g. adhesive types allowed in carpet installation. My biggest client requires me to write a section in Division One which addresses global indoor air quality control standards for all materials included in the project.

Finally, hazardous materials should be addressed in the Designer/Owner contract as well. A statement which protects the designer—by establishing responsibility, liability limits, fee renegotiation procedures, and which defines procedures in case hazardous materials are encountered—should be standard in any contract. Because of potential legal liability, my advice is that the designer retain the services of competent legal counsel who is familiar with construction and environmental law to review the proposed language.

And we thought ADA was a headache!

Gloria Rasmussen, AIA, CSI

DINNER MEETING, NOVEMBER 9, 1993

What Was that 06650?

An entertaining tour through the exciting world of solid surfacing? Right!

Well, that is exactly what our Portland CSI Solid Surface Representatives presented at our last dinner meeting. They caught our attention the minute we walked into the room.

I must say, expressing the use of color on those jackets was ingenious. Not to be out done by the attire of the evening, the presentation itself was informative, educational, and fun. When you have that combination, the result can only be "success." The souvenir raffle was an added treat, especially for those of us lucky enough to win.

After a long day on the job, a presentation, such as the one we experienced on November 9th, is a refreshing change.

On November 10th, the solid surfacing team also conducted a technical seminar. Aided by the success of the dinner meeting, the technical seminar was well attended by local architects and specifiers. Each manufacturer representative gave a short overview of their products after which John Lape conducted a question and answer session that dealt with specifics. Panel members were:

Frank Raethke, First Place Inc. 06650 Fabricators
 Pete Shorey, Precision Countertops
 Ron Holmgren, Tile Distributors for Corian
 Randy Cole, Nevamar for Fountainhead
 Roab Novak, Cronin Co. for Gibraltar
 Greg Wood, Wilsonart for Gibraltar
 Larry Knapp, Formica Corp. for Surrel
 Chuck Thurik, Formica Corp. for Surrel

Our thanks to Linda Joens of Trym-Tex, Vicki Miller of Cronin Co., Cherie McNabb of Wanke Cascade, Kathryn Wissler, Consultant, as well as all the CSI members who helped make the dinner meeting "an enjoyable evening" and the Technical Seminar a "great learning experience."

Phyllis Fritzie, CSI



The CSI "Four" on Solid Surfaces, 11/9/93
 (l-r) Linda Joens, Vicki Miller, Cherie McNabb, Kathryn
 Wissler

PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

October 12, 1993

The meeting was called to order by President John Lape at 4:30 p.m. at the AIA/CSI office. **Present:** Brown, Chew, Heiserman, Hirte, Hymes, Kuykendall, Lape, Largent, Murphy, Watson, Wilson, Wissler. **Absent:** None. **Also Present:** Lee Kilbourn, Ken Searl, Sandi Velleca.

Discussion: Approval of Minutes. Minutes of the August 31, 1993 Board of Directors approved as read.

Treasurer's Report: A current balance of the Chapter's funds in both the checking and savings accounts were given. The year end Financial Statement 1992/93 for the Chapter will be available at the November board meeting.

Old Business:

1. The Chapter has acquired a credit card machine for processing charges at the monthly meetings. It is anticipated that use will start at the November meeting.
2. John Lape stated that Puget Sound Chapter has hired an individual to assist with their long-range planning. John will attend a future meeting and report back to the Board next month. An Ad-Hoc committee of current board members was developed for a long-range planning committee for the Portland Chapter.

New Business

1. A motion was made by Corwin Hymes to recommend change of membership status for Jim Davidson to Member Emeritus. The motion was seconded by John Lape. Motion passed.
2. Sandi Velleca updated The Board on issues discussed at the Institute board meeting. **a.** There will be no regional assessment. **b.** The Institute will not market the sale of CSI rings. **c.** It was approved that CSI will become a member of the International Construction Information Society. Its mission is to improve the exchange of construction information internationally. **d.** Approval was given to give CCS, CCPR Retired status. **e.** The CCCA first exam will be given Spring 1996.
3. John Lape stated that he had received a request to advertise in The Predicator. The request was for a 1/4 page ad at a rate of \$480 which was based on the rate from the Puget Sound Chapter. It was noted that most chapters advertise in their newsletters. A recommendation was made for John to discuss with Inge Carstanjen how involved it would be to include advertising in the newsletter.

4. Jim Wilson received a request from Eric Kliener, chairperson of the Portland Chapter AIA, International Committee to sponsor lectures for future meetings. A motion was made by Jim Wilson and seconded by Jim Hirte for the Chapter to contribute \$50. Motion passed.

Committee Reports: The following reports were given:

Technical Documents: Jim Wilson, Director and Chair. The spec. guide will be republished.

Programs: Jody Moore, Chair. U.S. Bank will provide space for the November and February meetings. Most of the spring programs have been planned.

Nominations: John Lape, Director; Dale Kuykendall, Chair. John Lape will announce prior to the November meeting if

he wishes to serve a second year as Chapter President.

Liaison: Gunnar Forland, Chair. They have been getting good response from other organizations.

Share Group: William Clark (Products Reps), Chair. They had a speaker talk about I.B.D.

Membership: Pat Murphy, Director; Lee Kilbourn, Chair. 371 active members, 330 Portland home chapter members.

Products Fair: Corwin Hymes, Director; PRSG/William Clark/Mike Beeson, Co-Chairs. Investigating other sites to hold the Products Fair. It was suggested to consult with Peter Corvallis for advice.

Certification: Skip Brown, Chair. Deadline for sign-up for CCS exam—December 15th, and for the CDT exam—January 15. U.S. Bank will donate space to hold the exam. Additional notification will be given in the November issue of The Predicator.

Publication/The Predicator: Larry Chew, Director; Inge Carstanjen, Chair. There was a problem with The Predicator being delivered by the USPS on time. Inge will investigate the cost of First Class mail and report at the next board meeting.

Next Meeting Date: November 2, 1993 at noon.

Meeting was adjourned at 5:34 p.m.

Richard Heiserman, Secretary

Achieve the Recognition You Deserve with CSI Certification

Construction Documents Technology (CDT) Program

Demonstrate your knowledge of written construction documents.

Application deadline: January 15, 1994

Exam date: April 2, 1994

Certified Construction Specifier (CCS) Program

Enhance your professional credibility by demonstrating your expertise in preparing accurate and concise written construction documents.

Application deadline: December 15, 1993

Exam date: April 2, 1994

Certified Construction Product Representative (CCPR) Program

Increase your sales through your knowledge of written construction documents and their interpretation in specifications.

Application deadline: December 15, 1993

Exam date: April 2, 1994

Class will be held during the months of February and March in the evening. Please call Skip Brown, Certification Chair, at ZGF, 224-3860, for more details.

CONTRACTOR'S SHARE GROUP Q & A COLUMN—Marty Lundell

We have received a number of responses from our last column, mostly suggestions for more and different "Ethical Dilemmas." We at the Contractor's Share Group were hoping for some evaluations and opinions of the dilemmas we presented to share with you; but at least we seem to wrestle with similar problems in the effort to award contracts fairly. Your responses are appreciated, especially the response from the reader who thanked us for our efforts! Please keep them coming.

Here are this month's questions:

Q. *Why do architects go on vacation the day the bid documents hit the street?* (Submitted by a well-known local sub.)

A. Contractors don't look at the bid documents the first week anyway! (Response by Architect Y.)

A. This is a good time for a vacation. For about 30 days prior to the bid package hitting the street, there is a lot of pressure, with everyone involved busting their buns, putting in a lot of overtime and generally running themselves down. Our firm likes to send the principal architect involved on vacation the week the package is out. The first week's questions are handled by others who have worked on the project. Our office normally looks at about a 30-day bid process, and we usually see most questions about two weeks after the package hits the street. (Response by Architect X.)

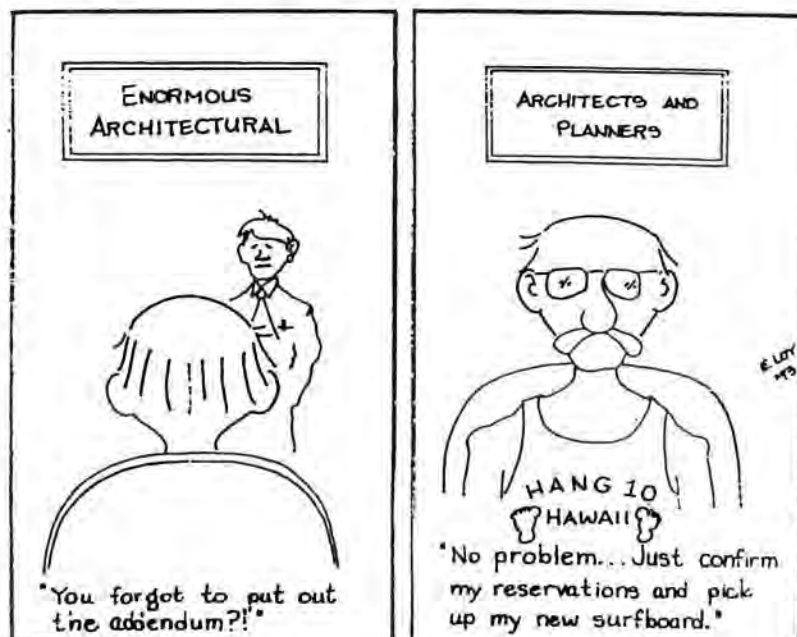
Q. *Why don't more construction people show up at pre-construction meetings, as opposed to the owner types that typically show up? The way these meetings are going, we should probably call them something else.* (Submitted by an architect.)

A. Our firm does send the project superintendent to the pre-construction meetings, but, generally, we view this as a forum to iron out the administrative aspects of the jobs. We do have construction meetings in which we address everything from safety issues to specific construction problems, such as trade coordination and identification of design problems. We feel that this is one of the obligations of a general contractor. (Submitted by a project manager for a major GC.)

A. I am answering assuming you are talking about preinstallation conferences. Let me say that I think that field foreman should be at preinstallation conferences. Why don't they attend? Its all about money. Project managers usually attend these meetings to save the hourly wage of the field foreman. Also, the foreman is usually at a different project being productive. A good solution is to have a specification requirement for the foreman to be there—or, if he doesn't show up, the meeting is cancelled and the architect is reimbursed for his time. (Submitted by another project manager for another major GC.)

We at the Contractor's Share Group respect everyone's opinions, evaluate every question, and try to fairly present both sides of each issue, sometimes without taking very much editorial license. We have chose an anonymous format to create a relaxed environment in which members can propose any question or proffer any answer without fear of reprisal. Names are sometimes changed to protect the innocent.

Please submit your questions and/or comments to Marty Lundell. (Phone—682-2878, fax—682-2190.)



WHAT'S GOING ON?

December

- 7 Board of Directors, 12-1:00 p.m.
 14 Dinner Meeting—Atwater's
Providence Child Care Center Giving Tree

January, 1994

- 4 Board of Directors
 11 Dinner Meeting—*Toast & Roast Ken Searl!*
This is your chance to honor Ken Searl, FCSI, who has recently retired from WEGroup Architects. Join in the fun as we honor and humor our good friend and colleague.

February

- 8 Dinner Meeting
What Makes a Good Contractor?

March

- 8 Dinner Meeting—*Bid Day!*
 17 CSI Oregon Construction Expo

April

- 12 Dinner Meeting—*Contract Administration & the Successful Project*
 21 Portland CSI 1994 Product Fair
 29-May 1 NW Region CSI Leadership Conference

May

- 10 Dinner Meeting—*Sealants: Waterproof & Structural Design*
 11 Luncheon/Technical Seminar—*Sealants*

June

- 17 Portland Golf Tournament
& Awards Banquet
 24-26 CSI National Conference in San Francisco

August

- 4 ProSpec '94

**Around the Region. . .
a calendar of meetings**

- Cook Inlet, Anchorage, Alaska
 Third Tuesday
 Ken Maynard—(907) 276-4218
 Idaho, Boise
 First Tuesday
 Scott Henson—(208) 345-6677
 Mt. Rainier, Tacoma, Washington
 Third Tuesday
 Cheryl Rue—(206) 383-3084
 Portland, Oregon
 Second Tuesday
 Jody Moore—(206) 574-3449
 Puget Sound, Seattle, Washington
 Second Thursday
 Relta Gray—(206) 382-3393
 Capitol, Salem, Oregon
 Second Thursday
 Darwin Doss—(503) 327-6633
 Spokane, Washington
 First Tuesday
 Tom Crossan—(509) 327-6633
 Willamette Valley, Eugene, Oregon
 Last Thursday
 Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)



**Jim Wilson, SRG Partnership, Education Chair
and**

**Rick Heiserman, WEGroup Architects, Secretary
confer at recent dinner meeting.**

LETTERS

To the Editor:

How fitting for The Predicator (November 1993) to include the notice of Bill Charlton's untimely death, and Gloria Rasmussen's thoughtful article about the necessary qualities of a good Manufacturer's Representative on the same page. Bill Charlton was the personification of every one of those good qualities, and he will be sorely missed.

*Paul Edlund, FCSI/AIA
Certified Construction Specifier*

To the Editor:

Each time I receive a copy of The Predicator, I am reminded of when we used to publish it almost "by hand" (1960s?). I enjoy reading about the great things all of you are doing today—and recognize that Ken Searl will never change. The real purpose of this letter is to advise you that I retired from Mohr & Associates in June 1992.

Regards, Ron Mohr

Portland Chapter Leaders—1993-1994

President
 John Lape CCS 243-2837
 President-Elect
 Dale Kuykendall CDT 777-5531
 1991-93 President
 Jim Hirte CDT 620-0106
 Secretary
 Rick Heiserman 223-1181
 Treasurer
 Kathryn Knudsen-Wissler 665-0882
 Executive Director
 Margie Largent 620-6573

Board of Directors

D. R. Brown CCS, Prof. '94 224-3860
 Larry Chew CCS, Prof. '95 226-1575
 Corwin Hymes CDT, Ind. '94 620-6617
 Pat Murphy, Ind '95 777-2204
 John Watson, Prof. '94 721-4666
 Jim Wilson CCS, Prof. '95 222-1917

Committee Leaders

Awards—Ed Fatz CDT 646-5593
 Certification
 D. R. "Skip" Brown CCS 224-3860
 Editor—Inge Carstanjen CDT 635-6227
 Asst. Editor
 Gloria Rasmussen 636-5531
 Education— Jim Wilson CCS 222-1917
 Membership
 Lee Kilbourn FCSI, CCS 224-3860
 Products Rep Share Group
 & Products Fair
 Wm. Clark, CDT (800) 845-5900
 Program—Jody Moore CCPR 284-6799
 Technical—Paul Wilson CCS 242-0123
 Bylaws—Ken Searl FCSI, CCS
 (503) 362-3472

Institute Responsibilities

CCS Implementation Com.—Ad Hoc
 James Robertson FCSI, CCS
 (503) 342-8077
 Jury of Fellows
 Dave Thomas FCSI (206) 337-8971
 Technical
 Chris Bushnell CCS (206) 357-9988
 Education—Ron Eakin (503) 686-3355

Region Responsibilities

Awards
 Linda Bowman CCS (503) 484-7618
 Education
 Jim Adkins CCS (206) 633-3182
 Membership
 Dick Kissick CCPR (206) 383-9790
 Publications
 Brad Williamson CCS(206) 623-4646
 Technical
 Ivan McCormick CCS 292-3958
 Certification
 D. R. "Skip" Brown CCS 224-3860
 Planning—Elliot Mohr (509) 535-0683

Region Directors

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 McKenzie Commercial Cont. Inc.
 865 W. 2nd Ave.
 Eugene, OR 97402 343-7143
 Sandi Velleca, CCS
 Arctic Slope Consulting Group
 301 Danner Ave., Suite 200
 Anchorage, AK 99518 (907) 349-5148

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

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 & PLANNERS



Advancement of
Construction Technology

The Predicator

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 5

January, 1994

Roast and Toast the One and Only KEN SEARL

Dinner Meeting:
January 11, 1994
5:30 No Host Bar
6:30 Dinner
Cost: \$20.00
7:15-9:00
Program

R.S.V.P. by
3:33 pm Friday,
January 7th;
call the
Association office
at (503) 223-8231.

Can't make
dinner?
Come for the
meeting at 7:15.

28 years ago, a construction inspector was hired for a temporary job at Wilmsen and Endicott; and last October he retired as specifications manager for W.E.Group Architects. During his tenure, he earned a well-deserved reputation. For what?? That will depend on your point of view and your place in the construction industry.

Please join us as we roast and toast Mr. Ken Searl! January 11, 1994, we will gather to give Ken some of what he's given us for these many years: a hard time, a laugh, a little payback, and a lot of affection! While you may know him as the author of *BS by KS* in *The Predicator*, this meeting will reveal the other sides of a unique individual.

Les Seeley will host the roast! He will be joined by fellow roasters **Gordon Todd**, retired from Todd Building Company, **Dick Ehmann**, of Ehmann-Klas Associates, **Don Walton**, of Modernfold N.W. Inc., and **Rick Heiserman**, of W.E.Group Architects and Planners. In addition, there will be an opportunity for comments from the floor, so come prepared to get in your digs and to share with Ken what you've been wanting to say but didn't have the chance—or didn't dare!



1990 was advanced to Fellowship in CSI

**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
JANUARY 11, 1994**

**41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE**

The President's Message



John Lape CCS, President

This month we will be honoring one of our Chapter's outstanding members: Ken Searl will be retiring after many years of dedicated service to both the Portland Chapter and the Northwest Region of CSI.

Ken has won numerous Chapter and Region awards. Several years ago he was elevated to Fellowship in the Institute. I considered it an honor to be one of the many who wrote letters in support of Ken's application. He possesses an incredible amount of energy and effort and has dedicated many hours to CSI. The visible things that he does are but a fraction of his total contribution. We all know that he writes a monthly column for *The Predicator* and that he maintains the Chapter's Bylaws and Operation Guide along with the Region Operation Guide. He is a fixture at most Chapter dinners, technical seminars, specifier share group meetings, and Region and Leadership Conferences. In fact, he is the designated Chapter rabble rouser. He also lends his historical perspective to many of the board meetings to help keep us younger pups in line.

Ken's true value is not represented by all that he writes or in his mere attendance at numerous functions; but it is a combination of his friendliness, personality and commitment to CSI. He works hard on developing specifications sections, like his door hardware schedule, and then is eager to share his work and knowledge in a profession that is often marked by guarded secrets. His approach is refreshing. On many occasions I have enjoyed a very open sharing of ideas, ideologies and technical issues with him. There are rumors suggesting that he is opinionated but he is certainly not close-minded! He has helped me immeasurably with both CSI and my business practice. I count him as both a personal friend and friend of the Chapter. His contributions are truly irreplaceable.

I am always amazed at how many persons in our association know Ken. At every Institute Convention, there are always people (from *all over* the country) who say, after finding out I'm from Portland, "Say hello to Ken for me!" His *BS by KS* column, with its unmistakable style, is reprinted in Chapter newsletters around the country. Ken is a real treasure for whom there is no substitute! Good luck with retirement Ken!

Ken is not giving up easily! See page 3. (Editor)



Ken Searl, Program Chair 1973 Region Conference, Inn at the Quay, Portland, Oregon



Co-developed the Substitution Request Form 1975; received Institute Citation Award 1982; developed the Al Hansen Memorial Award (now the chapter's highest); editor of the first Region Newsletter.

BS BY KS

First BS Column—1977.

First of hundreds, now an Institute standard.



Ken Searl, shown here with Institute Director, Sandi Valleca

Basic Specs by Ken Searl

As many of you good folks know, I grudgingly retired in late October 1993. I debated whether or not to continue my BS column in the future. If acceptable to you, I will write a column when inspiration or a request hits me. If any of you out there want me to cover any subject that you feel needs discussing, let me know. My address is 3100 Turner Road SE #416, Salem, Oregon 97302-2021; telephone (503) 362-3472. The fax is at the same number but you must call first so that I can set it up (I'm working to change this ASAP!).

Now, to business. In the December issue of *Specifier* magazine, there are two letters on the subject of metrication in the United States. One, on page 7, is by Anton E. Kemp and is entitled "Re-examine Federal Requirements." The other, on page 8, is by Robert Hesselstine and is entitled "Where Is Demand?" I agree in general with both letters but will discuss Bob Hesselstine's since I know him personally.

Bob indicates there is no mandate to go to a full metric system for everything; and I *strongly* agree! A point to consider is that Canada supposedly shifted to metric about 20 years ago. Many things in Canada have gone metric. A Canadian specifications consultant friend of mine informs me that construction for the Canadian Federal and Provincial governments are all in metric. However, he also says most private building construction is still done in standard measurements. Now, this should tell us something. If our country would do the same, it should save lots of money and cause a lot less snarling and growling.

Bob's concern about two sizes of everything could be partially true, but if Canada can do it, why can't we? For instance, I talked to a Canadian manufacturer of gypsum wall board and was informed they manufacture in both

metric and standard sizes. Both are available in Canada and the United States.

I don't know just how far our Federal gang intends to push metrication but I think they should give much thought to how important it is to make the change with any metric conversions. One example of a change that should never occur is land measurement, such as for townships, sections and related stuff.

Bob says that some of the changes contemplated could cause disaster. Our Federal government should listen to what many people are saying about metrication before going out on a limb—and then sawing that limb off!

Be sure and read these two letters in the December 1993 issue of *Specifier*. As usual, there are many other good articles in that magazine, too.

For those of you that are interested, I have compiled two pages of Metric Conversion Tables and assigned them to Section 01095. If you would like a copy, let me know.

I discovered the following at a local business establishment:

If you are grouchy, irritable or just plain mean and you don't play pinochle, there will be a \$15.00 charge for putting up with you.



1969—chair for Region Conference held in Portland; 1975, 1976—President, Portland Chapter; 1975—as President, KS received Institute Award for Portland Chapter Newsletter excellence (Don Walton, Editor).

CONTRACTOR'S SHARE GROUP Q & A COLUMN

This month's first question was asked earlier this year from a different perspective. We feel it would be beneficial to pose the question from both perspectives.

Q. *Why would a general contractor knowingly use a product which is not listed as acceptable in the specifications, and why would the general not require the sub-contractor or material supplier to meet the pre-bid requirement for substitution requests?* (Submitted by an architect.)

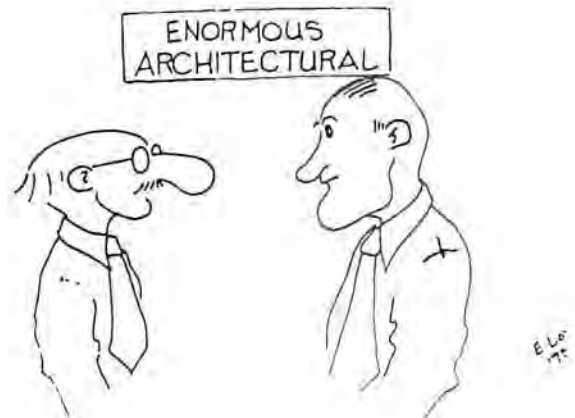
A. There are three instances in which this would occur:

1. Sometimes the specifications are written so poorly that no one actually meets the requirements. In this case, I rely on my understanding of the intent of the specifications and the products' applications to determine what will be acceptable.
2. In some instances, we will get no response for a certain section. In this case, we rely on our experience and our relationships with sub-contractors or materials suppliers with whom we are comfortable.
3. In some instances, we will receive an unsolicited alternative late which we feel meets the specifications' intent. In a perfect world, they would be dismissed; but we know that our competitors will use their number and get away with it! We are forced to be competitive. If contractors were selected based on track record, quality and on and on, this would not be necessary. The bottom line is that, on most projects, cheap is the only thing the architect and owner want to hear, and they get what they get! I could go on and on about this, I guess I'll stop there. Incidentally, on the jobs we negotiate, this is not an issue. We will use any product or sub-contractor we are asked to use and, while these projects may appear to be more expensive on the surface, if you add in all the facts, they probably are not; and, in every case, we end up with a better quality project! (Submitted by a large general contractor.)

Q. *Why would an architect allow a general contractor to use a product which is not listed as approved at bid time?* (Submitted by a local sub-contractor.)

A. Our hands are tied. We are pressed to meet construction schedules, and we are supposed to be taking care of the owner's interest in finding all products which will meet their needs to create the competitive environment that will ultimately give the owner the best products for the least money. If the products or services meet the intent of the specifications, how picky can we be? I don't want to hammer on a GC when the owner sees that he is supposedly getting the same product for a better price! Even when the products don't appear to meet the

specifications, schedules and price can be the determining factor. We feel it is best to involve the owner with the setting of policy in these matters before bid time. This way we know up front how much authority we may have in dealing with these issues. (Submitted by a local architect.)



Then we agree? As long as a product appears to represent a cost savings to you and isn't manufactured by extraterrestrials, we'll accept it.

Q. *There is a very nice paragraph in Section 01010 "Summary of Work" that I think could be used better than "Includes but is not limited to all the work described in the plans and specifications." Thanks a lot, huh? I mean, there is a lot of useful information they could be putting in there: like type of structure, square footage, unusual trades, features, etc. Why don't they use this?* (Submitted by a CSI member.)

A. Believe it or not, we have gotten in trouble in the past for putting in such things as "square footage, etc." There is the occasional contractor who calls for this information; or reads it in the specifications and bases his estimate and subsequent quote on this information, rather than on having done a professional thorough job of studying all related bid documents. We follow the CSI format which does not outline what to put in this section. If the contractor is familiar with this format, he can generally find this information if he looks for it. (Submitted by a local architect.)

The Contractors Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax to 682-2190.



55 came to our holiday dinner meeting on December 14, 1993. The Christmas Sharing Tree was heaped with gifts for the children at Providence Child Center (picture taken before the meeting).

The architect and contractors shared their experiences with building the new child center, which was built totally with private monies.

Together we all can make a difference! Thank you Jody Moore and Program Committee for planning this very memorable program!



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

November 1, 1993

The meeting was called to order by President John Lape at 12:01 p.m. at the AIA/CSI office. **Present:** Chew, Heiserman, Kuykendall, Lape, Largent, Murphy, Watson, Wilson. **Absent:** Brown, Hirte, Hymes, Wissler. **Also Present:** Inge Carstanjen, Jim Chaney. **Discussion:** Minutes of the October 12, 1993 Board of Directors meeting were approved with corrections as printed in the December issue of The Predicator. A motion was made by Larry Chew and seconded by Pat Murphy to accept the October 12, 1993 minutes with the noted revisions.

Treasurer's Report: A current balance of the Chapter's funds in both the checking and savings accounts was not available. The year end Financial Statement 1992/93 for the Chapter will be available at the December board meeting. **Old Business:**

1. John Lape attended Puget Sound Chapter meeting and heard a facilitator discuss the topic of long range planning. He felt that the program was quite successful in terms of the membership discussing their long range goals. It was suggested that this type of program might be used at a Portland Chapter meeting in the near future. The anticipated cost of this facilitator is \$500 plus expenses. John Watson suggested that other facilitators might be available locally. It was noted that the Chapter monthly meetings are scheduled until the fall of '94.

2. Advertising in The Predicator was discussed. It was noted that this issue has come up almost every year. In the past, it has been difficult for the Chapter to manage the advertising and continually seek new accounts. Inge Carstanjen stated that the Chapter has a policy of allowing advertisers to submit printed inserts to be included in The Predicator. Jim Wilson suggested that the Manufacturers Rep Share Group develop a proposal and submit it to the Board. Larry Chew made a motion that no advertising be included in the body of The Predicator and that inserts be accepted for \$200. The inserts would be preprinted, with 1000 copies submitted to the Editor. The motion was seconded by Jim Wilson. Motion passed.

3. John Lape stated that he had given a report on Architecture Week which was sponsored by the Portland Chapters of AIA and CSI to Mr. Gascoigne at the Institute. Mr. Gascoigne stated that this type of program might be used in other Chapters and that an article will be forthcoming in The News Digest.

New Business

1. John Lape offered to serve as President for a second term. A motion was made by Dale Kuykendall and seconded by Rick Heiserman for John to serve as President for a second term. Motion passed. Dale agreed to serve a second term as President-Elect.

2. Jim Chaney updated the Board on issues discussed at the Institute board meeting. **a.** The Institute has developed a search committee to find a replacement for Mr. Gascoigne, Director of CSI. **b.** There has been some discussion on finding other ways to fund Region activities.

It appears that each Region may not be funded the same way. The Northwest Region, however, will probably continue to be funded in the same manner. **c.** There is a recommendation for members to serve on Institute Committees. Nominations must be passed on to Jim or Sandi for consideration. These positions are for a two-year term and are noncompensatory. **d.** Listing of Institute membership will be available on computer disc. **e.** The Region Leadership Program Committee is looking for ideas for the Region Leadership Conference. It has been suggested that a special four-hour program be given on marketing at the Conference, which would benefit the attendees' CSI involvement as well as their business interest. Jim asked that ideas be given to him. **f.** The Institute seems to be in transition as to what its image is. Half the membership feels it is for the improvement of specifications, and the other half feels it should be more broad based for the construction industry.

3. John Lape mentioned that the Chapter updates a hard copy of *Spec-Text* at the Multnomah County Library each year. Current policy with the Institute requires that these orders be placed through Chapter individuals. It was asked, is it possible that the Chapter itself might be able to purchase the text? Jim Chaney will investigate. Jim noted that it appears that in the near future this publication will only be available in computer disc format.

4. Inge Carstanjen stated that New Member Orientation will precede the new Chapter meeting from 5-6 p.m. She encouraged all Board members to attend and be prepared to discuss what their duties entail. A draft of a handout that will be given to the members was presented. The handout identified important CSI dates, Code of Ethics, names of individuals who hold Chapter Committees and Board positions, and Chapter Statistics.

Committee Reports: Due to the length of the business issues, committee reports were not heard.

Next Meeting Date: The next meeting will be on December 7, 1993 at noon.

The meeting was adjourned at 1:05 p.m.

Richard Heiserman, Secretary

1986 Poster *Expose Yourself to Specifications* now a collectors item. (We have hundreds.) Ken will be signing *Posters for Roasters* January 11, 1994. June 1986, Ken received the Al Hansen award for "Exposing Himself to Specifications."

A story behind a story.....

Way back, in the beginning of time, my children, this particular city on the Willamette River erected a statue in its new downtown mall.

A great cry arose from the populous! "What is this thing you call art?" "This is awful!" and etc.

The soon to be mayor of that fair city, being a jovial and fun loving sort, had his picture taken in front of the aforementioned "art" and "exposed himself" as it were. Whoop! Whoop!



Our ever courageous BS'er jumped on the bandwagon and this was the result! (Just a bit of levity in an otherwise serious world!)

WHAT'S GOING ON?

January, 1994

- 4 Board of Directors
 11 Dinner Meeting—*Toast & Roast Ken Searl!*
 This is your chance to honor Ken Searl,
 FCSI, who has recently retired from
 W.E.Group Architects.

February

- 8 Dinner Meeting
What Makes a Good Contractor?
 (Architect panel responding to October
 program.)
 17 Building Professionals Mixer
 22-24 Cook Inlet CSI Products Show

March

- 8 Dinner Meeting—*Bid Day!*
 17 CSI Oregon Construction Expo—Salem

April

- 12 Dinner Meeting—*Contract Administration &*
the Successful Project
 21 Portland CSI 1994 Products Fair
 29-May 1 NW Region CSI Leadership Conference

May

- 10 Dinner Meeting—*Sealants: Waterproof &*
Structural Design
 11 Luncheon/Technical Seminar—*Sealants*

June

- 17 Portland Golf Tournament
 & Awards Banquet
 24-26 CSI National Convention in San Francisco

August

- 4 ProSpec '94—Seattle

Around the Region . . .
a calendar of meetings

- Cook Inlet, Anchorage, Alaska
 Third Tuesday
 Ken Maynard—(907) 276-4218
 Idaho, Boise
 First Tuesday
 Scott Henson—(208) 345-6677
 Mt. Rainier, Tacoma, Washington
 Third Tuesday
 Cheryl Rue—(206) 383-3084
 Portland, Oregon
 Second Tuesday
 Jody Moore—(206) 574-3449
 Puget Sound, Seattle, Washington
 Second Thursday
 Relta Gray—(206) 382-3393
 Capitol, Salem, Oregon
 Second Thursday
 Darwin Doss—(503) 327-6633
 Spokane, Washington
 First Tuesday
 Tom Crossan—(509) 327-6633
 Willamette Valley, Eugene, Oregon
 Last Thursday
 Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)

Are the People You Need to Reach Architects, Engineers, Specification Writers, Facilities Planners, Interior Designers or Contractors?

The 1994 CSI Portland Chapter Products Fair promises to be one of our best ever. As an exhibitor, you will have the opportunity to compete for a "Boothmanship" award. You will also be given a chance to win a free prime-spot booth at next year's Fair. In exchange for your prize donation, we will do a promotional announcement for your company just prior to the drawing. There will be a complimentary lunch and dinner buffet for our exhibitors and visitors.

DON'T BE LEFT OUT!

APRIL 21, 1994

**RED LION LLOYD CENTER EXHIBIT HALL
 ENTRY DEADLINE—MARCH 15, 1994**

Exhibitor applications will be available through the CSI Product Rep Share Group, beginning January 15th. For more information, call Phyllis Fritzie at (503) 659-9303. *It was Ken's idea to put on the first Chapter Products Fair.*

CSI's 38th Annual
 Convention and Exhibit
 June 24-26, 1994
 Moscone South
 San Francisco, California



Advancement
 of Construction
 Technology



Building Professionals Early Spring Mixer February 17, 1994

This is a great opportunity to "mix" with a diverse group of building professionals. The event is an evening of comedy, of course. *The Last Laugh* comedy club is the venue. Spouses are encouraged to attend. Among the organizations involved are AIA, CSI, AGC, CECO, ASHRAE, ASPE, IES and SEAO. If you always wanted to know what all these initials stand for, make reservations for this fun event. Cost is \$20.00 and includes dinner and the comedy show. Make your reservations through the AIA office by February 2nd and look forward to sharing some laughter with new friends.

Portland Chapter Leaders—1993-1994

President	
John Lape CCS	243-2837
President-Elect	
Dale Kuykendall CDT	777-5531
1991-93 President	
Jim Hirte CDT	620-0106
Secretary	
Rick Heiserman	223-1181
Treasurer	
Kathryn Knudsen-Wissler	665-0882
Executive Director	
Margie Largent	620-6573

Board of Directors

D. R. Brown CCS, Prof. '94	224-3860
Larry Chew CCS, Prof. '95	226-1575
Corwin Hymes CDT, Ind. '94	620-6617
Pat Murphy, Ind '95	777-2204
John Watson, Prof. '94	721-4666
Jim Wilson CCS, Prof. '95	222-1917

Committee Leaders

Awards—Ed Fatz CDT	646-5593
Certification	
D. R. "Skip" Brown CCS	224-3860
Editor—Inge Carstanjen CDT	635-6227
Asst. Editor	
Gloria Rasmussen, CCS	636-5531
Education— Jim Wilson CCS	222-1917
Membership	
Lee Kilbourn FCSI, CCS	224-3860
Products Rep Share Group & Products Fair	
Wm. Clark, CDT	(800) 845-5900
Program—Jody Moore CCPR	284-6799
Technical—Paul Wilson CCS	242-0123
Bylaws—Ken Searl FCSI, CCS	(503) 362-3472

Institute Responsibilities

CCS Implementation Com.—Ad Hoc	
James Robertson FCSI, CCS	(503) 342-8077
Jury of Fellows	
Dave Thomas FCSI	(206) 337-8971
Technical	
Chris Bushnell CCS	(206) 357-9988
Education—Ron Eakin	(503) 686-3355

Region Responsibilities

Awards	
Linda Bowman CCS	(503) 484-7618
Education	
Jim Adkins CCS	(206) 633-3182
Membership	
Dick Kissick CCPR	(206) 383-9790
Publications	
Brad Williamson CCS	(206) 623-4646
Technical	
Ivan McCormick CCS	292-3958
Certification	
D. R. "Skip" Brown CCS	224-3860
Planning—Elliot Mohr	(509) 535-0683

Institute Directors**Northwest Region**

Jim Chaney, CDT	
McKenzie Commercial Cont. Inc.	
865 W. 2nd Ave.	
Eugene, OR 97402	343-7143
Sandi Velleca, CCS	
Arctic Slope Consulting Group	
301 Danner Ave., Suite 200	
Anchorage, AK 99518	(907) 349-5148

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Advancement of
Construction Technology

The Predicator

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 6

February, 1994

What Makes a Good Construction Project?

Dinner Meeting:
February 8, 1994
5:30 No Host Bar
6:30 Dinner
Cost: \$20.00
7:15-9:00
Program

In October 1993, Portland Chapter CSI presented a contractor panel who discussed the elements of good documents. On February 8, 1994, architects and owners will have an opportunity to give us their perspective on the construction phase of the project.

Once there is a project to build and the documents have been created, what makes the construction successful? What are the key elements that really "make or break" a construction project? How they are handled by the contractor determines the tone of the project in process and the success of the project in completion.

R.s.v.p. by
3:33 pm Friday,
February 4th;
call the
Association office
at (503) 223-8231.

Please join us as we host a prestigious panel of Portland architects and owner's representatives, moderated by **Joe Bolkovatz**, VP-Estimating for Drake Construction. Joe will guide the discussion by **Alan Beard**, Principal, GBD Architects; **Dennis O'Toole**, Principal, Broome, Oringdulph, O'Toole, Rudolph Boles & Associates; **Lennie Sobo**, Multnomah County Construction Projects Specialist, and **Jerry Milstead**, President, Milstead & Associates, Inc.

New Member
Orientation
4:30-6:00 p.m.

You know when a job is great—do you know why? There will be an opportunity for your comments and questions, so don't be shy. Be prepared to challenge our panel!

Everybody is
welcome!
(Meeting not
limited to CSI
members.)

Can't make
dinner?
Come for the
program at 7:15.



Photo Courtesy Construction Data News

**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
FEBRUARY 8, 1994**

**41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE**

The President's Message



John Lape CCS, President

I recently read an article in *RoofLines* about value engineering that caught my attention. The article raised several issues that I wanted to comment on. Value engineering is one of the many recent tag phrases that have cropped up in our industry in the past decade. It identifies a process that has been around the construction industry for a long time. In its most innocent form, it refers to a suggestion by someone that they can provide the same product for the same building with a material that will do the same job but cost less. This potential cost savings could come from either the actual cost of the project, from reduced shipping costs, or from easier installation. To me the key to the question is: Is the owner getting what is appropriate and what he expects for the building?

I have several concerns with *value engineering* as it is currently being practiced. All of us in the construction industry must realize that, no matter what method or material is used, there will always be a cheaper one available. Many times value engineering is brought into a project after bidding or during construction. It seems that subs or generals are often presenting value engineering options directly to the owner—in part to get around the architect. Owners who are not experienced in construction and code issues will often think that a widget is a widget, and "I can save a little bit of money." The contractor looks great because he is saving the owner a little bit of money. But the architect on the other hand is left to defend his selection and has to explain why the item is not appropriate and that the owner really won't be able to save any money.

When value engineering options are done after bidding, it creates an unfair situation. These options haven't been made available to all bidders. Often these subs don't even bother to participate in the bidding process—choosing instead to try and sway the owner with a low price. The proper time to get most of these issues resolved is before bids are due. The proper method is through a substitution request, with the architect and owner involved. There will always be cheaper products available. I recall years ago when Sears used to carry three quality lines. They labeled them Sears Good, Better, and Best. You could get an electric drill in any of the three lines and they would all drill a hole. Some would drill a bigger hole, some would have a bigger motor, some would run backwards or have variable speed. Often, there were

differences in the warranties. Not surprisingly, the Good line was budget priced, the Better line was a little more expensive, and the Best line was most expensive. If you were a home owner that only needed a drill once in a while the Good line was designed for you. If you were a handyman and used tools frequently, the Better line was more suitable. If you were a contractor, then the Sears Best line was right.

Our industry is similar. Not only are there many manufacturers, like Sears, that offer a variety of products that do the same base function, but there are also many manufacturers to choose from as well. It is incumbent on us as design professionals to determine the appropriate design and the appropriate materials and products, given the owner's budget. Some budgets dictate rectangular, boxy, no frills design. Others require more articulation and a higher level of detailing. We have an obligation to our client and to our profession to select building materials to meet the varying budgets. We cannot use a design, detail or a product simply because we like it. We must judge it on its suitability to the job. This is the criteria that we must use for judging substitution requests as well. If we have used the correct criteria in selecting and specifying a product or method, then that same criteria will work for judging substitution requests. Architects must be knowledgeable and fair in their appraisal of substitution requests.

CERTIFICATION 1994

Preparation classes for the certification examinations (scheduled April 2, 1994) will commence Thursday, February 10, and continue each Thursday evening, 6:30 to 8:30 p.m., in Conference Room A on the 19th floor of the US Bank Tower building, located at 5th and Oak, Portland, Oregon. A dedicated band of Portland Chapter member instructors will again offer guidance to supplement the study guide information each candidate receives from the Institute. A schedule is under development and will be sent to each candidate in early February. If you plan to attend these classes or have other questions, contact David R. (Skip) Brown at 224-3860.

JANUARY 1994 BALLOT Portland Chapter CSI

President Lape and President-Elect Kuykendall have each indicated their individual desire to serve a second year; the Chapter Board voted, in accordance with the revised Bylaws, to accept. Now it is up to the Chapter Members:

Question 1: *Shall the President (John Lape) serve a second year (1994-95) as President?*

Question 2: *Shall the President-Elect (Dale Kuykendall) serve a second year as President-Elect?*

.09% voted this ballot:
25 yes on both questions
2 abstained

Inge Annelise Carstanjen, Teller

BS BY KS



Basic Specs by Ken Searl

This BS column is written regarding previous *Contractor's Share Group Q & A* columns in recent issues of *The Predicator*. Probably the Share Group felt Ken was being very quiet. Now the quiet is over. I will put in my 38¢ worth.

Refer to November 1993 *Predicator* (page 8, item 4)

Project documents require a sub list be turned in with bid. In my opinion, this is wrong. Requiring this causes a General Contractor (GC) lots of complications and headaches during the last two hours of bid preparation. Trying to figure out who all the sub bidders are at this time is almost impossible. For many years, wherever possible, I have called for sub bids to be presented within 48 hours after bid opening. Most GCs I have talked to state that this is a much better method. If a sub bidder list is required with bid and is primarily required to try to stop bid peddling, forget it. It is not the duty of the architect or specifier to try to prevent bid peddling.

Refer to December 1993 *Predicator* (page 8, item 2)

Question is asked, why don't more construction people show up at pre-construction meetings? I can tell you why—because they weren't specifically requested to do so in the specifications. If you want participation at these meetings, show this in your specifications; list who is required to attend and list procedures on setting up these meetings. This has worked out for me and usually everyone attends or sends a substitute. It is very necessary that certain specifications sections include pre-construction meetings such as roofing, masonry sealing and others.

Refer to January 1994 *Predicator* (page 4)

First Question

Asks why a GC knowingly uses a product which is not

listed as acceptable in the specifications? Answer to that is quite simple. Write your specifications saying what you mean and mean what you say. Enforce your specifications. If a GC installs something not approved, then request its removal in writing and verify its removal.

Answer No. 1

If the specifications are written so poorly that no one actually meets the requirement, then it leaves the GC in a quandary. Contact the architect immediately for a clarification ASAP. If nothing is received back from the architect, then I suggest, don't bid that project. It is neither the duty nor an option of a GC to assume responsibility for intent of specifications and product applications.

Answer No. 2

If no response for a certain section, contact the architect and, if no help is given, the two choices are available: either pin the architect down for an answer or don't bid the project. A GC should not try to second guess what is needed.

Answer No. 3

It seems to me that this answer is loaded for the architect, GC, and owner. In the real world, most bidders use this unsolicited bid if it is the lowest and it appears within the realm of money needed to do what is required. This can be costly sometimes. I remember a few years ago a GC used an out-of-state bid for a certain system and asked for approval. I investigated by calling some architects and GCs in that state and, in effect, they all said, "Don't touch that firm with a ten foot pole." I relayed this to the GC and he exercised the next lowest bid which was nearly \$10,000 higher. At the end of this saga, the GC called and said he was glad I did not budge on that out-of-state installer. His firm used this out-of-state firm on another project and, in the end, it was a very costly experience. He said, even though it originally cost them nearly \$10,000, my rejection probably saved them that amount.

The statement—"The bottom line is that, on most projects, cheap is the only thing the architect and owner want to hear."—I don't buy at all. I have spent many years in this profession and, in most cases, have not found this to be true. Incidentally, I note the writer of these items put in a plug for negotiated bidding and then almost reversed statements made earlier.

Second Question

Asks, "Why would an architect allow a GC to use a product which is not approved at bid time?" The answer, "Our hands are tied." *Baloney*, I say. In my opinion, this is a cop-out pure and simple. If this is true, then why did the owner hire an architect in the first place?

One last item: I thank all you kind folks that sent me cards and letters and those that attended my "Roast and Toast" on 11 January. It was an occasion that Wilma and I will always remember.



KEN SEARL "WELL DONE ROAST" January 11, 1994

"Hail, hail, the gang's all here"
...and didn't we have a good time!!!

Ken and his long-time sweetheart and wife, Wilma, were on hand to greet old friends, some folks we hadn't seen for a while: **Winnie and Warren Koepke** (looking rested and happy with their retirement), **Bob and Winnie Wilmsen**, **Wes and Nancy Korman**, and **Gordon Todd**.

The prospect of an evening's joshing also brought out our more active members whom we haven't seen of late: **Bob Easton**, **Paul Wilson**, **Ivan McCormick**, **Jimmy and Kim Luey**. Some of the stalwarts of CSI: **Dick Kissick**, Mt. Rainier Chapter; **Jim Chaney**, Institute Director from Willamette Valley; **Gene Stiles**, Capitol Chapter; and **Shirley Mann and Mary Peterson**, Puget Sound Chapter. Past member **Jolie Stricklin Jordan** made an appearance, as did member **Trasi Hogenhout**, promoting her new *Oregon Contractor Magazine and Plan Center*. Mr. John Cardott was visiting from Huntington Beach, California.

All in all, 112+ members and guests enjoyed a super "well done" roast. (Any less than well done and YOU KNOW Ken would have sent it back!)

Major presenters were **Don Walton**, **Gordon Todd**, **Rick Heiserman**, **Dick Ehmann**, with **Les Seeley** as Master of Ceremonies and Roaster non pariel. Lots of comedy, some serious comments; I can't remember a joke five minutes

after I hear it, so you'll have to take my word for it. We laughed a lot, cried a little over the Betty Boop articles (crocodile tears) and some "suspect" poetry.

There was once a man named Ken

by Dick Kissick

*There was once a man named Ken,
who played with words in his den,
he put them down in the form of specs,
and in doing made product reps wrecks,*

*No one to jerk on the end of chain,
to tell how great a product you had was in vain,
it had to be good, on this you could rely,
and you'd have to convince him, this mean, surly guy.*

*But, when you did get through to this old curmudgeon,
your product was good as gold to be in his spec oven.*

*But lie or cheat or tell him lies,
he'd never forgive and you'd paid the price
to get to the future specs would be like rolling the dice
and there's one more way he could get you, and yes,
he could hammer you badly in B.S. by K.S.*

*He knows more about everything than anyone I know,
or at least he made you think that's really so,
you'd never believe that he was a guesser,
but then that's the mark of a true B.S.er!*

*We wish you well in the future, K.S.,
and are sure we haven't heard the last of your B.S.!*

Thanks to Colamette Construction and Emerick Construction for hosting the bar. A large sheet cake decorated with the ubiquitous Betty Boop was cut, and duly photographed, with the M.A. Hutchins "Ceremonial Sword." The Portland Chapter "gifted" Ken with a Mont Blanc pen (*If you think you've heard the last of Ken, think again...those pens last forever!*) We all love you Ken! and that's not B.S.!





Dick Ehmann spoke next. First, he recognized all of the women members of CSI. Perhaps Dick felt that the women joined CSI to be near Ken. Who knows... Dick ran off some of Ken's famous sayings: "Nostalgia isn't what it used to be." "It's hard to be nostalgic when you can't remember anything." "If its good, they'll stop making it." "It's impossible to make anything foolproof because fools are so ingenious." "You can observe a lot just by watching."



John Brockamp spoke briefly, and presented Ken with Rush Limbaugh's book *The Way Things Ought To Be*. Was he implying that Ken and Rush think alike???



I considered Bob Wilmsen older and *much* wiser than I...(well, maybe older, after thinking about him hiring Ken to oversee two major projects). Time—around 1966—Ken complained about specs—and hardware specs were done in the construction industry. W.E.Group said, "Then you write the specs." I ask, "why would you have Ken write specs when the specs formerly written by your partner Jim Bernhart were great?" Told Bob, "Ken is the worst spec writer in town. He says in one paragraph what most spec writers say in three pages when they write a folding door spec." "However," I admitted, "not one manufacturer or supplier had any questions what he wanted."

Don Walton



Margie Largent presented Ken with a personally autographed poster of Mayor Bud Clark's *Expose Yourself to Art*.

Dear Editor

I got to thinking during the Roast/Toast of Ken Searl Tuesday night that some people might think Ken does not treat women with respect because of all the comments about Betty Boop.

In 1983, Ken wrote a *BS by KS* column on "Sexist Language in Contract Documents." I felt it was well written enough to reprint in the *Book for Working Women. Is There Any Other Kind?* which I coordinated. Alice Shelly, FCSI, CCS (the first woman to become a Fellow of the Construction Specifications Institute) agreed and responded to the *BS by KS* column with comments about the insensitivity of those who send correspondence to CSI members and assume all CSI members are male. In conclusion, Ken is a very sensitive, perceptive gentleman and I hope he continues to be active in the construction industry even though he "retired."

J. P. Kilbourn, Ph.D.
Laboratory Director
Consulting Clinical &
Microbiological Laboratory



REMARKS BY GORDON TODD AT KEN SEARL'S ROAST January 11, 1994

Many years ago (about 1965) when our headquarters were in Roseburg, Oregon, we were searching for a job to bid in southern Oregon to keep the wolf from the door. We had always pointedly avoided projects for the "Feds" (in this instance, the GSA) because it was rumored that the paperwork would cover you up and the inspectors were trained by the CIA.

The project that the GSA was advertising was an office building and post office in Medford, Oregon. (The architect was Wilmsen & Endicott.)

With much apprehension and the halfway secret hope that we probably wouldn't be low bidder anyway, we submitted our bid, and, yes, we were low bidder.

The project got underway and we met the government rep, Royal Chappel, who advised us that there would be a full time owner rep assigned to the job, and we knew for sure that he meant that he was sending a terrorist!

Well, who should show up but a car salesman and ex-auto mechanic by the name of Ken Searl; a real ordinary good guy who couldn't possibly have been trained by the CIA. We did learn later that his many qualifications included work for the Corps of Engineers somewhere in Utah, but that experience didn't seem to have damaged him.

Ken understood construction, knew a lot about cars, car repairs, pinochle, and baking. He had a small trailer on the site that was his home during the week and quite often he would bake a cake for our afternoon coffee break. That apparently never caught on in construction because that was the last and only job (to my knowledge) where the owner's rep served cake at afternoon tea.

On that project, Ken was an employee of Wilmsen and Endicott, the parent firm of W.E. Group. Over the next 18 years (when I retired) we continued association on a number of projects and also socially as members of CSI.

Either working or socially, I never saw Ken angry (except he sometimes got a little cross at his wife in the gift shop at the convention hotel), but on the job the only way you could tell he was displeased with a sub or workman was by his comment: "...if that rascal doesn't shape up, I'm going to read the book to him!"

Thirty years ago, the construction atmosphere was somewhat adversarial and architects were intimidating. You have all heard that "architects don't have ulcers, but they are carriers"? I believe that Ken's subtle management of the relationships involved in a project made him an antidote for those ulcers, and has contributed greatly to furthering the principles of clear communication and honest understanding. The industry will miss his active participation, but we can hope that there is another one there like him!

The Spiffy Metallic Green Camaro Commute

by Klaus Gibson

Commuting from Salem to Portland
and Portland to Salem for 28 years
would put most men into Dammasch
or have them drowning in tears.

Why its over 700,000 miles!
Like thrice driving to the moon.
A deed that will not be duplicated soon.

What makes a man drive so many miles?
The reason is clear.
There's no better place than Portland either far or near.

No other place where Ken to a roofer can say loudly:
By golly on my project you shall get no bounty.
Fix that leaky roof or move your business out of the
country.

Where else can he insist with indignation:
This building doesn't meet specification,
rebuild it or you'll get NO remuneration.

What? You have brand X as a substitution?
This is not a good solution.
I want happy owners, not malcontent moaners.

On this issue, I'll stand firm as a rock.
Why? Besides, it is 3:00 o'clock.

By George, I'm a maverick,
I don't want to get caught in rush-hour traffic.

Ah, it's great to be alive,
and with my spiffy metallic green Camaro
home to Salem I drive.

John Lape presented Ken with a Special Award recognizing
28 years of contributions to the chapter. This was followed
by a cake cutting ceremony. Ken's wife, Wilma, had this to
say: "For years I've been bugging Ken to clean out the
closets, and now he's done it. I don't know whether to
thank you people for all the junk or not!"

Dale Kuykendall

To Portland Chapter CSI:
We thank you for all your help over the
years. (Sent with thank you card.)

Ken & Wilma



Ken said, "I'm a better lover than a fighter. That's why I'm
such a good field inspector." Bob Wilmsen, at a party, said
he did not know how Ken was as a lover but he thought
he was OK as a clerk of the works and spec writer. Wilma
whispered to Bob, "He's no good as a lover." Wilma, as a
sophisticated lady, you didn't say this, did you? Wilma
responds, "Let me tell you a secret..."

In June of 1982—National CSI convention in Atlanta. Ken
thought we should share a room together at the Peachtree
Plaza Hotel to save on costs. We checked in. The check-in
clerk asked if we wanted single or double beds. Ken said
that was OK. I told her I liked double beds. We went to
the room, Ken looks around and says, "I thought we were
getting a single-double bed."

Don Walton



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

December 7, 1993

The meeting was called to order by President John Lape at 12:01 p.m. at the AIA/CSI office. **Present:** Chew, Heiserman, Hymes, Kuykendall, Lape, Largent, Murphy, Wilson, Wissler. **Absent:** Brown, Hirte, Watson. **Also Present:** Inge Carstanjen, William Clark, Lee Kilbourn. **Discussion:** Minutes of the November 7, 1993 Board of Directors meeting were approved as read.

Treasurer's Report: 1. A balance sheet of the Chapter's funds for 1992/93 showing income and expenses was presented. This balance sheet showed activity for the year. It was noted that the income will likely exceed the expenses for the year but there are some inconsistencies from year to year. 2. A Chapter summary through November 1993 was presented for review. 3.

It was requested that when making charges against the Chapter to include the account number on the top of invoices.

Correspondence Reports

The Institute's Specification Competition deadline was November. The Specification Competition Committee is judging entries. It was requested that Chapters who are interested in displaying the winners are encouraged to contact the Institute.

Old Business:

1. William Clark gave an update from the Products Show Committee regarding the 1994 Products Fair. A number of sites other than the Red Lion Lloyd Center had been evaluated. This evaluation was done to seek additional space that would allow for more booths. For a number of reasons the Red Lion again appeared to be the best location. A plan of the exhibit space showing booth location was presented. This plan located the food tables to the back of the exhibit space. A proposal was made by the Committee to increase the fee for the booths located at the ends of each aisle, to be charged an additional \$50. The space where the food tables had been located would be infilled with additional booths. The proposed registration fee was \$450 with no discount for early registration and \$50 off for those CSI members who indicate Portland as their home Chapter. Lee Kilbourn requested that additional lighting be installed, particularly in the back of the exhibit space. A motion was made by John Lape and seconded by Kathryn Wissler to proceed with the suggestions brought forward at this meeting.

New Business

1. Dale Kuykendall submitted a letter expressing interest in serving the Chapter as President-Elect for a second year. This coincides with John Lape serving as President for two years which was agreed upon last month and is within the Chapter's By-Laws. A motion was made with Dale out of the room by John Lape and seconded by Corwin Hymes to approve this request. Motion passed. 2. Performance Publishing has requested to send the Chapter Directory out in May rather than April. This change would allow for the publication of the Chapter officers for 1993/94. The Board agreed that the directory needed to be available for

distribution at the Products Fair. Larry Chew suggest that the distribution of the directory be done in September at the beginning of the year. John Lape will investigate this proposal. 3. Lee Kilbourn gave an update and proposal on the mailing and distribution of The Predicator. Bulk mail distribution costs about \$200-\$250 per month. First Class distribution to selected members, those within the metropolitan area would cost about \$320 per month. A bar code bulk mail distribution would be about \$217-\$266 per month, but delivered like first class. Question were raised regarding how changes in address and new members are incorporated in the mailing list. Lee will investigate and report back to the Board.

Committee Reports: Due to the length of the business issues, committee reports were not heard.

Next Meeting Date: The next meeting will be on January 4, 1994 at noon.

The meeting was adjourned at 1:05 p.m.

Richard Heiserman, Secretary

Russ Graham

Russ Graham, charter member of Portland Chapter CSI, died December 21, 1993, in his Lake Oswego home. Mr. Graham was 81. In 1953, he went to work for U.S. Plywood Corp. He later was employed by Lumber Products and spent 13 years with Weyerhaeuser Corp., until his retirement as a district manager in 1977. Mr. Graham served for five years on the first Board of Directors, 1960 through 1964. He was Secretary-Treasurer in 1963, Treasurer in 1964, and on the Nominating Committee in 1963. He co-chaired the 1974 Institute Convention held in Portland, along with Dick Ehmann.



Ken was one of the first spec writers in the area to specify single ply roofing. BUR catalogs seemed to settle in the corner and collect dust. He transformed our office into the computer era; bought the first computer for writing specs; taught himself how to use it.

Rick Heiserman

Editor's note: Must have been around 1980—he helped me purchase my first (and only) computer!

CONTRACTOR'S SHARE GROUP Q & A COLUMN

This month's question has evoked at least a little heated response. It is interesting to hear from different perspectives.

- Q. *When developing bid documents on a project, an owner expressed the desire to have a ten-year warranty on his built-up roof. This was clearly stated in the project specifications. The successful low bidding roofing contractor either missed this or was not aware that certain conditions had to be met during the installation of the roof system in order to validate the manufacturer's ten-year warranty. We felt we are protecting the owner's wishes by clearly specifying his request. The roofing contractor has an excellent reputation and an impressive track record, but in spite of this and pressure from us, the manufacturer will not honor the ten-year warranty. What do we do now?* (Submitted by a CSI architect.)
- A. Our firm has pre-construction meetings with the architect to specifically address these issues prior to installation. If this had been done, you would not have this problem now. I realize that it is too late to do this at this point, but we feel it is in our contract as part of the construction phase to ensure our specifications are met. Maybe this was done, and the roofing contractor just did not understand what was necessary to validate the ten-year warranty. It is possible that he did not research these procedures and believed that the warranty was automatically given with the product. This is unlikely, if, as you say, the contractor is a reputable one. It is more likely that he just missed it in the specifications and the issue was not addressed at the pre-construction meeting. What to do now? 1. Continue to put as much pressure on the manufacturer as possible. If it is a large firm, they may eventually yield to it. 2. Work with the general contractor to put pressure on the roofer through whatever means, i.e. retention, threats, etc. 3. It may be possible for the roofer or the general contractor or both to purchase a bond to protect the owner for the ten-year period for warranty work. This may be difficult and expensive, but it still may be the most workable solution. (Submitted by a CSI architect.)
- A. I have absolutely no pity for the roofing contractor. He needs to be taught a very expensive lesson. If he is given any special treatment by the architect, it is an insult to any of us who become CSI members, use the CSI education services to learn about industry standards, understand bid documents, and subsequently provide for all cost issues per specifications, only to lose desperately needed work to someone like your roofing contractor. This organization is the most direct way to communicate this key issue from the industry to the professional. Frankly, for most of us lowly subcontractors, this is what I would call a core issue. Run him out of town on a rail! (Submitted by a CSI contractor.)

The Contractor's Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax them to 628-2190.



PUTTING PRESSURE ON THE WAYWARD
SUBCONTRACTOR.



NEW MEMBER ORIENTATION

New Member Orientation to be held on the 41st Floor at 4:30 to 6:00 p.m., prior to the February 8th dinner meeting. All new members are invited to meet the Board members and Committee leaders, and receive your New Member pins. R.s.v.p. Inge Annelise at 635-6227.

PITHY PARTING SHOTS BY KS

Rick Heiserman remembers hearing a joke once or maybe twice every two years.

Ken stated that if he got reincarnated coming back he wanted two things: 1) a better memory, 2) couldn't remember.

"If you want to get results, like a tom cat, you have to go out and make calls."

"You have a problem, when you have 6 gallons of manure and a 5 gallon pail!"

(To the office on his departure at 3:00 p.m.) "I am going home. If dinner isn't ready, I am going to raise hell. If it is, I am not going to eat it!"



CSI GOLF TOURNAMENT

The Second Annual CSI Golf Tournament will be held June 17, 1994 on the East Course at Glendoveer Golf Course. This year, the Providence Child Center will be our charity co-host.

Our field will be limited to 120 players, with four-person teams competing in an 18-hole scramble. There will be teams competing in two divisions and for the overall championship. Any team with three or more architects or engineers will compete for the Professional—as in CSI—division. All other teams will compete in the Open Division. At least one CSI member will be required for each team. Cash prizes will be awarded to each Division winner, as well as for the first, second, and third place teams overall. All awards will be given out at the Annual CSI Awards Dinner which will be held the same day at McMenamins Edgefield Manor.

Entry fee for the tournament is \$45, which will cover the green fees, carts, and lunch. We look forward to seeing you there.

First, last and only notice: 1994 PORTLAND CHAPTER CSI DIRECTORY APPLICATIONS DUE FEBRUARY 15, 1994

To Be Available at Products Fair April 21!

Applications must be received by the Membership Committee on or before Tuesday, February 15, 1994, to be listed as a CSI member in this year's directory.

How do you know if you are a CSI member? You recall reading, in separate articles in the December 1993 issue, about Roller Coasters, Concrete, EIFS, Park Fencing, and others. If you do not recall reading these interesting articles, it is time to call our Membership Chairman, Lee Kilbourn at (503) 224-3860.

The 1994 Directory is again being produced for Portland Chapter CSI by Performance Publishing, Inc. You may contact them at (503) 232-8542 for information about display ads and other forms of presenting information.

Now is also the time for all of us to review last year's listing in the directory and fax revisions to Lee at (503) 224-2482!



WHAT'S GOING ON?

- February
8 Dinner Meeting
What Makes a Good Construction Contract? (See cover story.)
- 8 New Member Orientation
10 Certification Prep Class (see below)
17 Building Professionals Mixer
22-24 Cook Inlet CSI Products Show
- March
8 Dinner Meeting—*Bid Day!*
Dale Kuykendall, Emerick Construction, and the CSI Contractor Group are staging a mock bid day—from the general contractor's perspective. Architects, subcontractors and material suppliers are all sure to have their ears burning and their eyes opened by the chaos that accompanies bid day.
- 17 *CSI Oregon Construction Expo*—Capital and Willamette Valley Chapters Product Fair, Salem. Contact Gary Felling (503) 859-3559.
- April
12 Dinner Meeting—*Contract Administration & the Successful Project*
18-20 Cook Inlet CSI Product Exposition
21 *Portland CSI 1994 Products Fair*
29-May 1 *NW Region CSI Leadership Conference*
Tacoma, Washington
- May
10 Dinner Meeting—*Sealants: Waterproof & Structural Design*
11 Luncheon/Technical Seminar—*Sealants*
- June
17 (Friday) *Portland Chapter CSI Golf Tournament & Awards Banquet*
24-26 *CSI National Convention* in San Francisco
- August
4 *ProSpec '94 Exposition* with NW and Pacific Region AIA, in Seattle, Washington
Contact Jody Moore with any questions at (206) 574-3449, or (503) 248-6799.

NORTHWEST REGION AWARDS

The following is a list of the awards given at the 1993 Northwest Region conference in Homer, Alaska:

- Education**—Dennis Obert, CCS
Technical Excellence—John B. Lape, CCS
Newsletter Excellence—Mt. Rainier Chapter
Chapter Growth—Spokane Chapter
Director's Citations—Kathryn Atcher, CCS, for success of 1992 Region Conference in Victoria B.C.; and Ronald Eakin, CSI, for planning and forming Capital Chapter, CSI, Salem, Oregon

Around the Region . . . a calendar of meetings

- Cook Inlet, Anchorage, Alaska
Third Tuesday
Ken Maynard—(907) 276-4218
- Idaho, Boise
First Tuesday
Scott Henson—(208) 345-6677
- Mt. Rainier, Tacoma, Washington
Third Tuesday
Cheryl Rue—(206) 383-3084
- Portland, Oregon
Second Tuesday
Jody Moore—(206) 574-3449
- Puget Sound, Seattle, Washington
Second Thursday
Relta Gray—(206) 382-3393
- Capitol, Salem, Oregon
Second Thursday
Darwin Doss—(503) 327-6633
- Spokane, Washington
First Tuesday
Tom Crossan—(509) 327-6633
- Willamette Valley, Eugene, Oregon
Last Thursday
Paul Edlund—(503) 485-1941
- (The contacts given above are the program chairs or officers of the various chapters.)*

BUILDING PROFESSIONALS

EARLY SPRING MIXER

February 17, 1994

Harveys Comedy Club (former home of The Last Laugh)
436 NW 6th Avenue, Portland, Oregon
Dinner and Comedy Show Cost: \$20 (\$40 per couple)
All reservations must be completed by February 8th. Please be ready to make your dinner selection when making your reservation. Checks must be received at CSI office **BEFORE FEBRUARY 8TH.**

Architects, General Contractors, Engineers and other Building Professionals will share in a social evening which includes Dinner and a Comedy Show. Harvey's has been reserved just for this group. Denny Johnston, who has appeared with Jay Leno, is the Comedy Headliner. Opening acts will be Ron Ulrich and Rick Lane. These are billed as "clean" acts (and funny too!). An attendance of 200 is anticipated, so please make your reservations as soon as possible.

- Social Hour: 6:00-7:00 p.m.
Dinner: 6:30-7:30 p.m.
Show: 8:00-9:30 p.m.
Menu (*choose one*): Chicken Supreme (stuffed)
Red Snapper
Beef Bourguignon
Desert: Cheesecake with strawberries

CSI Office: 223-8231
315 SW 4th Avenue, Portland, Oregon

Portland Chapter Leaders—1993-1994

President
 John Lape CCS 243-2837

President-Elect
 Dale Kuykendall CDT 777-5531

1991-93 President
 Jim Hirte CDT 620-0106

Secretary
 Rick Heiserman 223-1181

Treasurer
 Kathryn Knudsen-Wissler 665-0882

Executive Director
 Margie Largent 620-6573

Board of Directors

D. R. Brown CCS, Prof. '94 224-3860
 Larry Chew CCS, Prof. '95 226-1575
 Corwin Hymes CDT, Ind. '94 620-6617
 Pat Murphy, Ind '95 777-2204
 John Watson, Prof. '94 721-4666
 Jim Wilson CCS, Prof. '95 222-1917

Committee Leaders

Awards—Ed Fatz CDT 646-5593
 Certification
 D. R. "Skip" Brown CCS 224-3860
 Editor—Inge Carstanjen CDT 635-6227
 Asst. Editor
 Gloria Rasmussen, CCS 636-5531
 Education— Jim Wilson CCS 222-1917
 Membership
 Lee Kilbourn FCSI, CCS 224-3860
 Products Rep Share Group
 & Products Fair
 Wm. Clark, CDT (800) 845-5900
 Program—Jody Moore CCPR 284-6799
 Technical—Paul Wilson CCS 242-0123
 Bylaws—Ken Searl FCSI, CCS
 (503) 362-3472

Institute Responsibilities

CCS Implementation Com.—Ad Hoc
 James Robertson FCSI, CCS
 (503) 342-8077

Jury of Fellows
 Dave Thomas FCSI (206) 337-8971

Technical
 Chris Bushnell CCS (206) 357-9988

Education—Ron Eakin (503) 686-3355

Region Responsibilities

Awards
 Linda Bowman CCS (503) 484-7618

Education
 Jim Adkins CCS (206) 633-3182

Membership
 Dick Kissick CCPR (206) 383-9790

Publications
 Brad Williamson CCS(206) 623-4646

Technical
 Ivan McCormick CCS 292-3958

Certification
 D. R. "Skip" Brown CCS 224-3860

Planning—Elliot Mohr (509) 535-0683

Institute Directors

Northwest Region

Jim Chaney, CDT
 McKenzie Commercial Cont. Inc.
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 Anchorage, AK 99518 (907) 349-5148

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The Predicator

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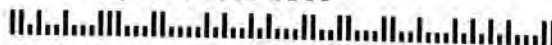
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Advancement of
Construction Technology

The Predicator

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 7

March, 1994

BID DAY!

Dinner Meeting:
March 8, 1994
5:30 No Host Bar
6:30 Dinner
Cost: \$20.00
7:15-9:00
Program

R.s.v.p. by
3:33 pm Friday,
March 4th;
call the
Association office
at (503) 223-8231.

**Note: April
Meeting—date
change! to
April 19, 1994**

Everybody is
welcome!
(Meeting not
limited to CSI
members.)

Can't make
dinner?
Come for the
program at 7:15.

The job name and its bid date have been on the general contractor's calendar for a month. Many hours have already been spent evaluating if it is the right type of job, the right size with the right schedule. Over the last three weeks, calls have been made to subcontractors and material suppliers. The estimating staff has done the scope take-off and allocated work for the contractor's own forces while assembling a comprehensive list of the work to be covered by others. Extra staff has been lined up to handle the calls and faxes with pricing that will come in today.

The bid is opened at 3:00 p.m. By 10:00 a.m. the office is already humming as the tension builds, subsides, and builds again as bids do, or do not, come in.

On March 8, 1994, you will have an opportunity to see the inner workings of the general contractor's office on Bid Day! While you may think that the general has only orderly number crunching to deal with, **The Contractors Share Group** has assembled a cast of contractors and suppliers to show us the real story.

Knowing the real story will help the following participants in the construction team:

- Owners will learn why bids might be higher than they need to be.
- Architects will see what certain specification ambiguities, drawing problems and alternates can do to the bid.
- Subcontractors and suppliers will find out what their late bids, unapproved products, and changed prices do to their customer—The General!

The life blood of any contractor is bidding work, yet bid day strikes dread in the heart of many a hardy general. Your ears may be burning, or your face will be, as you recognize the part you play in creating havoc in the general contractor's office. We will follow the presentation with a discussion of how you can improve your performance and help the entire project get off to a good start on bid day!



**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
MARCH 8, 1994**

**41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE**

The President's Message



John Lape CCS, President

The Board recently considered the publication date for our directory. We considered moving the publication date to permit the inclusion of the officers for the following year. We decided however, that it was important to have the directory available for the Products Fair. Performance Publishing, the printers of our directory, will be doing distribution and mailing of the directory, so it will be in the hands of our members soon after publication. They will also be sending the directory to AIA and AGC firms, selected officers, and other construction associations.

We added a bar code to the mailing labels of the February issue of The Predicator. This will allow it to be delivered similar to first class but at a reduced bulk rate and should speed the delivery of the newsletter.

On other items, we have signed an agreement with Edgefield Manor for our Awards Banquet. This year, this will be held on Friday evening, June 17th. Like last year, we will have a block of rooms for those that wish to stay over. The golf tournament has been expanded to an 18-hole event that will be held the same day at east course, Glendoveer.

Preparations are well underway for the Products Fair, to be held on April 21st, at the Red Lion Lloyd Center. I have been fielding inquiries since November and expect this to be our best Products Fair ever. More information will follow on this event, including a cover and feature article in Construction Data.

Our Chapter dinner program this month will be a Mock Bid Day which will give us all a feel for what the Contractor experiences as he tries to assemble his price, trying to make sure that all the items are covered. In today's tight money and cost-driven economy, there is little margin for error. I look forward to the program to help me, as an Architect, better understand the Contractor's plight.

We see the effect of the cost conscious economy and the effect it has on the way we do business. It has spurred far greater use of design build, value engineering, TQM, and partnering than ever before. We even see it in other aspects

of our lives.

I read an article recently that indicated that Frank Lloyd Wright's Guggenheim Museum in New York City will be renamed after a benefactor. Apparently a wealthy couple donated \$10 million to the museum with the requirement that the museum be renamed after them. This isn't all that unusual, in Portland we have the Schnitzer Performing Arts Center. I'd even rename my company for a mere one million! Most of the football bowl games and other sporting events now go by a corporate name such as the John Hancock Cotton Bowl.

But it sure seems a shame that such a well known landmark as the Guggenheim Museum is forced to take another name. I suspect it will always be known as the "Guggenheim" regardless of the lettering over the entry. Is it a question of the museum prostituting itself to the highest bidder, or the wealthy assuaging a massive ego? Probably it's some of both, but primarily merely an indication of the times. It is a different world that we all operate in, changed dramatically from just a short time ago.

CSI PRODUCTS FAIR Thursday, April 21, 1994 Noon to 7:00 p.m.

TIME IS MONEY! As an employer, how many times have you repeated that phrase? As an employee, how many times have you heard it? Because "Time is Money," you owe it to yourself and your company to attend this year's products fair. In the same amount of time it would take you to research a product line and schedule a meeting with three or four product representatives, you can see and talk to over 100 exhibitors. All of our exhibitors know how valuable your time is. They are at the show prepared to give you the information you need and to answer your important questions. There will be many new products as well as new product lines from some of our old friends. Here are a few more good reasons for you to attend.

Admission is free.

Tri-Met "Short Hopper" tickets will be available.

Free lunch buffet.

*Hourly door prizes from 12:00 noon to 5:00 p.m.

Can't make the afternoon?

Come over for the evening and miss rush hour traffic.

*Door prizes every 15 minutes from 5:00 to 7:00 p.m.

Complimentary hor d'oeuvres.

Mark your calendars! Invitations are available at your local A.I.A. office or you can contact Phyllis Fritzie, CSI, at 659-9303.

*To enter, you only need your business card.

BS BY KS**Basic Specs by Ken Searl**

This month I am going to give you an article received by me from Doug Drynan. Doug is a retired spec writer of the Portland Chapter CSI. He now resides in Dunsmuir, California. I have edited this article slightly for length and it is presented to you as follows:

A SPEC WRITER'S LAMENT, OR, IN A QUANDARY AND HOW IT GREW

Specifications for a project are usually considered a necessary evil, by including them in the documents they are then hoped to provide the armor necessary to protect the designer in event of problems or disputes during the course of construction and thereafter. An understanding of what and how a specifier functions would provide the realization that it is not just word mythology. Sometimes it has been expressed that the specifications are too loose. Specifications have a tendency to become open-ended regardless of the time and energy spent, which is why the drawings/specifications coordination becomes very important.

New Projects

Upon the first hint of publicity released to the media concerning a proposed project, the vendors and Pitch-Persons swarm immediately to extol the wonders and virtues of their wares and the query "How do I get in your specifications?" No matter how frustrating the interruptions caused by the unscheduled visitations, these dispensers of documentation should not be entirely ignored. At the proper time, their information can be valuable. The stalwarts that storm the gate and determined not to be denied will no doubt be referred to audience with the spec writer, who shall characteristically grumble, utter an expletive, then stand in awe of the stirring presentation, after which will gather the spoils for future enlightenment of the curious.

Project Coordination

At some point, usually later in a proposed development, it is determined that there should be some specifications to accompany the drawings. This ideally would require close coordination between the production team and the specifier. Sometimes, communication is less than perfect due to design indecision and working with incomplete information. Lack of knowledge about some material or system intended for a project create a problem later if not being specified. If the information or special condition doesn't reach the spec writer, it does not get specified. With tighter competitive bidding, it has become evident that each area of construction requires coordination between detailing and the specifications to define the responsibility for supplying and installation or it will become a request for extra cost.

Catalog Effect

There has occurred a criticism concerning not the contents of the specifications, but of its dimensional thickness. The front end "boiler plate" contributes to this, depending on

whether it is a public or private funded project. If being bid then, more bidding documents are required. Public work requires even more forms and references. The amount is directly proportional to the level of government. Sometime the boiler plate takes up the major part of the dimensional thickness. On some projects, it seems there is an unusual large number of different material and installation methods. Sometimes it appears that there is a small quantity of almost every material known to be in existence. The specifications for ten square feet of a material is the same as for ten thousand square feet. Then, we have the shopping list. There are going to be eight, ten or more alternates. Each must be described in the documents. It becomes a wish list, which indicates to everyone that the costs are not under control. "Maybe we'll get lucky and bids will be low."

Materials

Another area of concern is the selection of materials and their use within the limitations of the material. All materials have qualifications and standards that should be considered when selected for inclusion on a project. Does it meet the desired design effect and will it resist the environment or use to which it will be exposed? Codes have restrictions to the use and application of materials, then OSHA includes their restrictions. (Anyone that thinks OSHA is a small town in Wisconsin is in trouble.) The use of lead in paint was determined to be hazardous to humans. Besides retarding rust on steel, the lead paint poisoned the building inhabitants, especially if they chewed on a piece of painted material. Then, we've heard about the use of asbestos in buildings as being suspect of being carcinogenic to the inhabitants. A recent statement by the Public Health Service for Disease Control concerns wood dust and substances made of wood being toxic, allergenic, irritant or worse. They listed many wood species such as East India Satinwood, Mansonie, Cocobolo, Birch, Mulberry and Dogwood. We all know that arrows and spears were lethal if driven thorough certain parts of the body. The air we breathe is polluted and can cause lung disease. Further, just inhaling and excess amount of pure water can cause death; medical term— drowning. It has been stated that money must be carcinogenic because the IRS continues to withdraw it from public use.

Composition

Specifications are an assembly of words in an attempt to convey a message in coordination with the drawings to bring about a finished project that is expected to perform the function for which it was designed in a pleasant, aesthetic composition. Specification writing should not be too long or too short. The intent is not to be pedantic with voluminous verbage, but to convey the message in a manner that can be understood. Specifications can't tell everything, but to be a part of and a significant part of the documents. A complete structure is the result of an exchange of information among participants.

BID DOCUMENT AWARDS

Ballots will be published in the April and May issues of The Predicator for this year's Bid Documents Awards. This Award is designed to recognize the Architectural/ Engineering Firms that do the most professional jobs of creating Bid Documents in each of the six categories listed below. These are not design awards. Below are listed the criteria for the selection of projects which can be voted as best in their category. Any project can be voted for as long as it meets the qualifications set forth below—projects need not be nominated. All projects which receive votes will be noted, with their vote count. The project with the most votes in each category will receive the Bid Document Award Plaque for their office.

• To qualify, a project must:

1. Have been completed between May 1st of the previous year and April 30th of the award year.
2. Have been designed and specified by an architect or architectural firm with an office in Oregon or SW Washington.

• Awards will be given in the following categories:

1. Best Bid Documents for a project with a contract price in excess of \$5 million.
2. Same for \$1 million.
3. Same for under \$1 million.
4. Same for best Tenant Improvement Project regardless of contract price.
5. Same for the best Industry/Manufacturing Project.
6. Same for the best Civil Engineering Project.

• Criteria for Award Selection

1. Completeness of documents.
2. Coordination of specifications and drawings.
3. Correction of documents during the bidding process.
4. How did the documents perform throughout the construction of the project?

• Award Selection

1. All projects meeting the Award criteria are eligible and may receive votes.
2. Any CSI, AGC, ABC, SMACNA, IEC, CECO or SEAO member is eligible to vote. Ballots will be included in the newsletters of all of these organizations.
3. Because not all members of the construction process have equal exposure to the bid documents, different groups have weighted votes.
4. Any individual member of the groups mentioned above can vote for one project in each of the six categories listed above. Each vote counts for one point. Votes are not required in all categories.
5. Any firm listed as an engineering firm or as a mechanical or electrical contractor will be given one vote in each of the five categories. Each vote will count as five points.
6. Any firm licensed as a General Contractor that is also a member of AGC or ABC is allowed one vote in all of the first five categories. Each vote will count as ten points.

7. The top vote recipient in each category will win the Bid Document Award. All other projects receiving votes will be listed, with the number of votes they receive.

• Award Presentation

The Awards for each category will be presented at the CSI Annual awards Dinner in June.

AN EXPRESSION OF APPRECIATION FOR PRODUCT REPRESENTATIVES

A few weeks ago, I was talking with a product representative, when I realized that we, as design professionals and specification writers, are not giving proper credit to the product reps. We have a tendency to ignore their service to our industry by not having enough time to see them and thus not learning about their products. This is providing a disservice to our clients because we are not aware of better and sometimes less expensive products in the marketplace. We do not recognize the product reps as professionals in their field and we sometimes view them as an irritation to be tolerated.

I found out that during years of service to the construction industry, this particular product representative, who I find to be one of the best in the business, had only once received a letter of thanks for outstanding service.

These are the people who provide us with catalogs, technical information, box lunch programs, and occasionally a drink at the CSI meetings. The product representatives, who help us every day, many of them stopping what they are doing just to provide us extra service or get answers on products (sometimes not even the products they represent), are working in a position where the measurement of their value to the industry is hard to define. Some have supervisors who only see them leave for a day of visiting architects, engineers, designers, and contractors. Those bosses have no way of knowing the reps' successes or failures. These bosses always hear about problems but are never aware of the many times their product representatives help us.

It seems we express our displeasure at things that go wrong rather than extend our thanks for help. With that kind of attitude it won't be long before we will be viewed as ungracious and disrespectful. We are all in the same industry, and hopefully working toward the same goal of successful, problem-free construction. Isn't it time to show our appreciation to the reps that really help us. It only takes a few minutes to write a letter of thanks or make a phone call to the product rep's boss to tell them of the great job being done.

This might be a good time to show your appreciation to those that help you during the year. Take some time now to jot down the names of people you would like to thank and follow up with at least a card or letter. You might find that your thanks will be rewarded by better service.

I would like to thank the product representatives who helped me gain insight into the problems I just mentioned. Although this is but a short statement, I hope I have made a point.

—Warren L. Sampson, CCS
Honolulu Chapter CSI President
"Division 17"
December 1993

INDUSTRY NEWS

Wire Fires from Harmonic Inputs

Recently, a spate of fires in commercial buildings has been attributed to overheating of embedded wires that feed many personal computers or other electronic devices on the same circuit. How does this happen?

In one instance, 100 department store TVs were running simultaneously, causing high harmonics in the neutral wire of the building.

A similar situation occurred in an office. Instead of TVs, computers were the culprits, causing a transformer to burn out in the building. Both instances were attributed to insidious overheating caused by harmonic feedback from the electronic devices.

In single-phase circuits, the "hot" line carries the same current as the neutral wire. If both wires are the same size and both are designed to carry the current, the lines don't overheat. Large buildings have three-phase service, and the distribution is wired to balance the load in the three phases. Normally, this would result in nearly zero current passing through the neutral wire. Incandescent lights and motors have little or no neutral current, for instance.

If a load has a third harmonic content (or multiples of that third harmonic) in the three-phase system, the sum can be larger than the line can carry. If the load is too high, the wire can overheat and fires can start.

Electronic devices, such as computers and UPSs, produce harmonic feedback. While current codes may require increasing the size of the neutral wire where harmonic loads are expected, buildings before 1992 may not be up to par.

Retrofitting is the cure of choice. Although this is not always practical, it is better than a fire. Still, there are other ways of solving the problem. Isolation of the electronic devices can be achieved through an electric motor-generator set (M-G). The motor takes power from the existing wires and drives a generator through a mechanical shaft. This prevents power problems from the load feeding back into the network, while also isolating any line problems such as sags, surges, and spikes. The new power generated from the M-G is very "clean."

It is critical, then, that electrical specifications reflect the intended use of the electronic load of the building or at least any unique circuits. This is all the more important in renovating. In view of the general trend toward CRTs, electronic lighting systems, variable speed drives, and even battery invert systems, it might be worth considering to retrofit before there is a problem.

—*Electrical Contractor*, September 1993



Ron Gronowski, Bob Easton
& Mary Peterson

COMMENTARY ON "A More Readable UBC" by Andrew Olson The Specifier, July 1993.

After having read Andrew Olson's excellent article, I can only add: "YESSS!!!, by all means: Get going!!!"

In designing a format to be used for presenting complex information, uniformity and clarity are major considerations. CSI's formats are rapidly becoming the industry standard, mainly because they work. Using a format, if not similar in form, at least similar in principle, to CSI's format, would make a more readable UBC.

The amount of information contained in the UBC seems to grow exponentially every time a new edition is published. New information categories—such as accessibility requirements—are added, old ones are expanded, modified or deleted, and everything is crammed into an obsolete format. The UBC information storage shell was not designed to handle the complex information it now contains, nor to work within the framework of the data processing systems we use now. Even its presentation is awkward: How many of you have had wrestling matches with your UBC binders or books? The introduction of computers and other information tools, and the immense amount of data generated in the last decades, have radically modified and advanced the way information is presented and stored. The UBC does not seem to be keeping up with this evolutionary process.

Finally, the UBC is not a resource to be used on its own. The UBC is really a reference for state and local codes, which publish their information as UBC requirements to be followed, modified, deleted or superseded. This function of the UBC should be acknowledged in the design of a format, so that information exchange flows naturally. A cumbersome UBC makes for cumbersome local codes. I definitely agree that the UBC needs a major retrofit, and redesigning its format is a very good way to start!!!

Gloria Rasmussen AIA CSI

UBC is being reformatted at this time. L. Kilbourn



INSULATION USE APPROVED

In a memorandum dated February 1, 1994, The Society of the Plastic Industry, Inc., has communicated the approval by JPS/Elastomerics and other manufacturers for the use of ACCU-R Program EPS (Expanded Polystyrene) certified products as an insulation component beneath their roofing membrane systems.

The ACCU-R Program, sponsored by The Society of the Plastic Industry, is a certification program for EPS insulation manufacturers. To qualify as an ACCU-R Program molder, manufacturers of EPS must undergo a third-party certification process to verify that their products continually comply with the ASTM C 578 standard for quality and performance. Products certified by this program have the ACCU-R Program Compliance mark stamped on two opposite edges of the board. This mark includes the program logo, the testing laboratory logo, the molder's name and plant code number, and the ASTM density type.

EPS insulation is environmentally friendly: No CFCs or HCFCs are used in its manufacturing process—only hydrocarbon blowing agents—it can be reused, and can be recycled into products like filling for concrete masonry blocks.

For more information about the ACCU-R Program, call 1-800-951-2001.

Outside a dining hall in Canyon de Chelly Park
(Chinle, Arizona)
is this sign:

**SHOES ARE REQUIRED
TO EAT IN THE CAFETERIA
SOCKS CAN EAT
WHEREVER THEY WANT**

MEMBER NEWS

Portland Chapter CSI member Pravin Jain, has been named Chief Executive Officer at McClure Industries, Inc.

McClure Industries, located in Milwaukie, manufactures upscale fiberglass waste handling carts and related equipment for the transportation of trash and linen in hospitals, laundries, shopping malls, hotels, recyclers and waste handlers. Pravin's professional experience is in the fields of marketing, management, engineering and manufacturing.

CSI GOLF TOURNAMENT

The Second Annual CSI Golf Tournament is scheduled for June 17, 1994. Last year's champions will be returning to defend their title. It is shaping up to be a great event. The entry fee of \$45 will cover 18 holes of golf, carts (two people per cart), lunch (great hamburgers), refreshments, and lots of prizes (including a Hole-In-One prize of Ping woods, irons, putter and bag). There will also be prizes for low industry team, professional and overall.

The format is the four-man scramble, so everyone has a chance to contribute. Last year even John Lape saved the team score with at least three long putts!!

This year, we are donating 50% of the hole sponsorships to the Providence Child Center and, after the awards and prize funding are met, 50% of the excess will go to the general coffers of CSI for our operating budget. The hole sponsorship is reasonably priced at \$250. Each month, you will see a growing list of sponsors published in The Predicator, along with the teams that have signed up. If your company has not signed up to sponsor a hole, you will find forms each month in The Predicator.

It looks as though the field will be limited to the first 30 foursomes to sign up. We will be opening the tournament to other CSI chapters in the Northwest so sign up before space runs out. We are welcoming teams and challenges and you may have as many teams from your company as you wish as long as there is room. The overall winners names will be engraved on a permanent plaque that will hang in the AIA/CSI office in Portland.

We may even offer prizes for the best team name, outfits and challenges to other teams. Don't miss this one!

CSI's 38th Annual
Convention and Exhibit
June 24-26, 1994
Moscone South
San Francisco, California



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

January 4, 1994

The meeting was called to order by President John Lape at 12:03 p.m. at the AIA/CSI office. **Present:** Brown, Chew, Heiserman, Hirte, Hymes, Kuykendall, Lape, Murphy, Wilson, Watson. **Absent:** Largent, Wissler. **Also Present:** Lee Kilbourn.

Discussion: Approval of Minutes: Minutes of the December 7, 1993 Board of Directors meeting was read, the corrections were published in the February issue of The Predicator. A motion was made by Larry Chew and seconded by Dale Kuykendall to accept the December 7, 1993 minutes with the noted corrections.

Treasurer's Report: A current balance of The Chapter's funds in both the checking and savings accounts was not available. The Treasurer will mail statements to the Board members.

Correspondence Reports: 1. It was noted that there was an article in the Institute's Newsdigest, December 1993 about The Chapter's involvement in Architecture Week. 2. Members of the Joint Codes/Permit Committee received letters of thanks for their involvement with City of Portland Staff from Margaret Mahoney, Director, Bureau of Buildings.

Old Business: 1. Performance Publishing, publishers of The Chapter's Directory can not publish the Directory for a fall distribution due to advertising commitments. Distribution must take place either before or after the Products Fair. A motion was made by John Lape and seconded by Corwin Hymes to have the Directory distributed at the Products Fair. Chapter board for 1994/95 will not appear in this publication. Motion passed. 2. letter was read from William Clark to Construction Data regarding advertisement of the Products Fair. The ad will run in the April issue of Construction Data newsletter. It was decided that two booths will be given to Construction Data for this publication. Corwin Hymes will investigate organizations which might be interested in advertising the Fair. 3. First class bulk mail of The Predicator is still being developed. It was noted that to revise the mailing list for changes address or new members will cost \$25. It is anticipated that list changes will occur about once a year. 4. The Nomination Committee, which is composed of Jim Hirte, John Lape, Dale Kuykendall and Margie Largent will meet in the near future to develop a slate of candidates for The Chapter officers for the 1994/95 year. Ballots for President and President-Elect for a second term will go out first class this week.

New Business: 1. The June meeting will be held at the Edgefield Manor in Troutdale. The meeting is scheduled for Friday June 17, 1994 with a golf tournament the same day. 2. A letter was read from Dick Gira regarding the cost of meals at Chapter meetings for retired members. John Lape felt that once The Chapter starts controlling the credit cards and can track actual cost of the meetings that consideration should be given to retired members.

Committee Reports:

Technical Documents Chair: Paul Wilson. No meeting was

called for December. Otto Shick thanked the Chapter for reimbursement cost incurred at the meeting on Metric. **Programs Chair:** Jody Moore. January meeting is ready. Panel is being confirmed for the February meeting. Discussion will focus on what makes a good contractor. **Joint Code/Permit w/City of PDX Chair:** John Lape. The City is hiring a Technical writer to prepare to develop policy and procedure that the committee has been working on.

Planning Chair: John Lape. Will start again with meetings soon.

Liaison Chair: Gunnar Forland. Working with other organizations to develop meeting dates and topics.

Share Group Chair: William Clark (Products Reps). Membership has dwindled considerably new recruits are needed.

Membership Chair: Lee Kilbourn. Next meeting is Friday at noon, ZGF. Current membership is 362.

Calling Group Chair: Nash Hasan. Members are being notified of the Chapter meeting at the end of week prior to the monthly meeting. It was felt that notification should be given sooner.

Share Group Chair: Marty Lundell (Contractors). Committee has been meeting on a regular basis. They are developing the program for the March Chapter meeting.

By-Laws Chair: Ken Searl. Revisions to the Chapter By-Laws were sent to Institute over two years ago. Awaiting response.

Products Fair Chair: PRSG/William Clark/Mike Beeson. Discussed in New Business. Committee anticipates using all of their budget and more. John Lape recommended increasing this budget by \$4,000. The Board agreed. Increases beyond that point must be approved by The Board.

Certification Chair: Skip Brown. Five people have signed up to sit for the exam. Four CDT, one CCS. Classes will start third Thursday in February.

Publication/Predicator Chair: Inge Carstanjen. Lee Kilbourn distributed additional copies of the January issue of The Predicator to Board members to distribute to people who are not members of The Chapter that might be interested in coming to the Meeting.

Next Meeting Date: The next meeting will be on February 1, 1994 at noon.

The meeting was adjourned at 1:15 p.m.

Richard Heiserman, Secretary



Linda Joens & Pat O'Brien

CONTRACTORS SHARE GROUP Q & A COLUMN

This month, we would like to begin by thanking Ken Searl for the general space and time he expended in "correcting" some of our recent responses to questions posed to us for this column. We have received many responses, words of encouragement, critical remarks and general comments, but nothing quite as authoritative as the B.S. by K.S.

For the record, it is worth stating again, that we will publish any response, without moral assessment. Even the enlightened reader may learn from these responses, regardless of how obviously "off base" they may appear to be. These off base views stem from real problems encountered by professional and industry members alike. The questions and answers in this column are contributed by our readers, and do not necessarily reflect the views of the Contractors Share Group. It is an open line of communication. This is not a platform from which we "Load the answers for the architect," (even though this is sometimes a temptation). It is even conceivable that at least some of the problems encountered by our readers could be eliminated by properly written and enforced specifications. For the record, we personally feel that Ken's opening remark (in reference to the January 1994 issue) "Answer to that is quite simple. Write your specifications saying what you mean and mean what you say. Enforce your specifications." are golden words. If this were always the case, his response to Answer No. 1, Answer No. 2, and Answer No. 3 would not be necessary because these situations would not exist. We do not, however, agree with the assessment that "in most cases" price is not the most important consideration when dealing with the award of a project.

Q. *Why do GCs wait until the last day to look at a project? (Sounds loaded for the contractor doesn't it?) (Submitted by a CSI architect.)*

A.* In our company, this is simply not true. We have an estimate leader who begins the process as soon as plans are acquired. There is simply a time line that, depending upon the size and complexity of the project, is sometimes enough or not enough. As we approach bid day, more and more people on our staff become involved to chase quotes from subcontractors and suppliers and, invariably, there will be a question in some spec section that will require an answer on Bid Day. I think you can appreciate that this is very disconcerting to us also. Architects should be aware that a GC often will be estimating several projects simultaneously. (Submitted by a local CSI GC.)

The Contractors Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax them to 682-2190.

* If you are interested in the bid process from a contractor's point of view, plan to attend the March dinner meeting on March 8th. The Contractor's Share Group will be enacting a

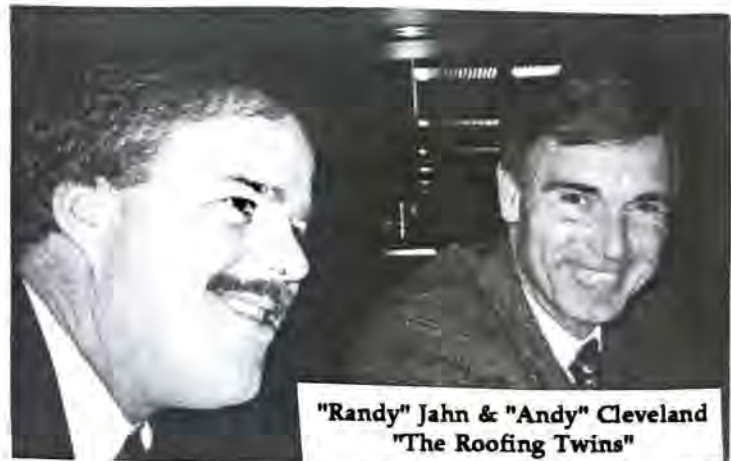
mock bid day for your entertainment and, hopefully, your enlightenment.

100% RECYCLED WOOD FLOORING

A new Portland firm, On Track Inc., has announced a 100% recycled flooring of remarkable beauty and strength. The product is *apitong*, a two-inch tongue-and-groove flooring crafted from salvaged rail car planks (until now, consigned to garbage dumps). Because of its long drying time, the wood, which resembles Philippine mahogany in color and grain (although is far harder), is stable. Since it is ripped from 2-3/8th inch by 5 inch by 9-1/2 foot planks, the final product, mostly over 8 foot long, displays new surfaces on all sides. Stanley Niemiec, Oregon State University researcher, has called *apitong* "an ideal flooring" because of its strength and beauty. Jim Newcomer On-Track vice-president, says, "It is better than new wood because it has aged slowly, yet has new surface quality. But what is wonderful is that it offers the beauty and quality of exotic flooring for the price of oak." In its recent installation at the Western Washington State Fair, the wood was finished with red mahogany stain. Its deep color attracted many potential buyers, among them a large retail coffee company that has never considered wooden floors in its stores because of durability. This is a floor for commercial and residential applications. The wood is milled to order in a small plant near Bend, Oregon, in 1/2 inch thickness, at a price competitive with oak. At this thickness, the hardness of the wood gives it strength comparable to oak at 3/4 inch. Thicker boards are available at the customer's request. Tongue and groove are offset to increase wear surface, and installation and nailing are normal. Delivery is about two to three weeks after an order is submitted. Because of limited sources of raw material, On-Track distributes directly to architects and builders.

Samples are available. Please call (503) 248-0639 or (503) 640-2800 for more information.

Jim Newcomer is a recent new member of Portland Chapter CSI.



"Randy" Jahn & "Andy" Cleveland
"The Roofing Twins"

WHAT'S GOING ON?

March

- 8 Dinner Meeting—*Bid Day!* (see cover story)
 17 *CSI Oregon Construction Expo*—Capital and Willamette Valley Chapters Product Fair, Salem. Contact Gary Felling (503) 859-3559.

April

- 19 Dinner Meeting—*New Date! The third Tuesday of April*—Joint meeting of Portland CSI and AIA—*Contract Administration: Getting the project built within your fee!* Jim Muller, Contracts Officer for KMD Architects in San Francisco, will be our featured speaker. Professional Development Credit will be offered.
 18-20 Cook Inlet CSI Product Exposition
 21 *Portland CSI 1994 Products Fair* (see article in this issue)
 29-May 1 *NW Region CSI Leadership Conference* Tacoma, Washington

May

- 10 Dinner Meeting—*Sealants: Waterproof & Structural Design*
 11 Luncheon/Technical Seminar—*Elastomeric Sealant Design*

June

- 17 (Friday) *Portland Chapter CSI Golf Tournament* from 8:00 a.m. to finish, at Glendoveer Golf Course. Form a team for the Industry Division, Professional Division or the Open Division. You can also sponsor a hole and tee prizes! Half the sponsorship proceeds will go to Providence Child Center. Call now and join in the fun! Jim Rother 452-8550, Marty Lundell 682-2878 or Vicki Miller 226-3508.
 17 *Portland Chapter CSI Awards Banquet* at McMenamin Edgefield Manor; 25 rooms are being held for serious partiers. Call 669-8610 to reserve your room. Identify CSI as your party.

- 24-26 *CSI National Convention* in San Francisco

August

- 4 *ProSpec '94* Exposition with NW and Pacific Region AIA, in Seattle, Washington
 Contact Jody Moore with any questions at (206) 574-3449, or (503) 248-6799.

Around the Region . . .
a calendar of meetings

- Cook Inlet, Anchorage, Alaska
 Third Tuesday
 Ken Maynard—(907) 276-4218
 Idaho, Boise
 First Tuesday
 Scott Henson—(208) 345-6677
 Mt. Rainier, Tacoma, Washington
 Third Tuesday
 Cheryl Rue—(206) 383-3084
 Portland, Oregon
 Second Tuesday
 Jody Moore—(206) 574-3449
 Puget Sound, Seattle, Washington
 Second Thursday
 Relta Gray—(206) 382-3393
 Capitol, Salem, Oregon
 Third Thursday
 Darwin Doss—(503) 327-6633
 Spokane, Washington
 First Tuesday
 Tom Crossan—(509) 327-6633
 Willamette Valley, Eugene, Oregon
 Last Thursday
 Paul Edlund—(503) 485-1941
 (The contacts given above are the program chairs or officers of the various chapters.)

ERRORS & OMISSIONS

The summary of NW Region Awards as printed in the February issue of *The Predicator* contained several errors. The corrected summary follows.

Summary of 1991
NORTHWEST REGION AWARDS
Homer, Alaska

- Education**—Dennis Obert, CCS
Technical Excellence—John B. Lape, CCS
Newsletter Excellence—Mt. Rainier Chapter
Publications Excellence Award—Linda M. Bowman, CCS
Chapter Growth—Spokane Chapter
Director's Citations—Kathryn Atcher, CCS, 1992 Region Conference; Robert D. Kenworthy, CCS, Region Leadership Conference; Dick Kissick, CCPR, Region Leadership Conference; Ivan H. McCormick, CCS, Region Technical Chairman; Ken Searl, FCSI, CCS, Contributions to Region; Mt. Rainier Chapter, Organizing Leadership Conference



Panel: Joe Bolkovatz, Lenny Sobo, Alan Beard, Jody Moore & Dennis O'Toole (Jerry Milstead, rear)

Portland Chapter Leaders—1993-1994

President
 John Lape CCS 243-2837
 President-Elect
 Dale Kuykendall CDT 777-5531
 1991-93 President
 Jim Hirte CDT 620-0106
 Secretary
 Rick Heiserman 223-1181
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 Margie Largent 620-6573

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 Larry Chew CCS, Prof. '95 226-1575
 Corwin Hymes CDT, Ind. '94 620-6617
 Pat Murphy, Ind '95 777-2204
 John Watson, Prof. '94 721-4666
 Jim Wilson CCS, Prof. '95 222-1917

Committee Leaders

Awards—Ed Fatz CDT 646-5593
 Certification
 D. R. "Skip" Brown CCS 224-6040
 Editor—Inge Carstanjen CDT 635-6227
 Asst. Editor
 Gloria Rasmussen, CCS 636-5531
 Education— Jim Wilson CCS 222-1917
 Membership
 Lee Kilbourn FCSI, CCS 224-3860
 Products Rep Share Group
 & Products Fair
 Wm. Clark, CDT (206) 254-8486
 Program—Jody Moore CCPR 284-6799
 Technical—Paul Wilson CCS 242-0123
 Bylaws—Ken Searl FCSI, CCS
 (503) 362-3472

Institute Responsibilities

CCS Implementation Com.—Ad Hoc
 James Robertson FCSI, CCS
 (503) 342-8077
 Jury of Fellows
 Dave Thomas FCSI (206) 337-8971
 Technical
 Chris Bushnell CCS (206) 357-9988
 Education—Ron Eakin (503) 686-3355

Region Responsibilities

Awards
 Linda Bowman CCS (503) 485-7618
 Education
 Jim Adkins CCS (206) 633-3182
 Membership
 Dick Kissick CCPR (206) 383-9790
 Publications
 Brad Williamson CCS(206) 623-4646
 Technical
 Ivan McCormick CCS 292-3958
 Certification
 D. R. "Skip" Brown CCS 224-3860
 Planning—Elliot Mohr (509) 535-0683

Institute Directors

Northwest Region

Jim Chaney, CDT
 McKenzie Commercial Cont. Inc.
 865 W. 2nd Ave.
 Eugene, OR 97402 343-7143
 Sandi Velleca, CCS
 Arctic Slope Consulting Group
 301 Danner Ave., Suite 200
 Anchorage, AK 99518(907) 349-5148

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

The Predicator

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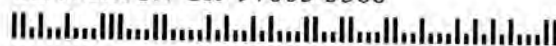
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The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 8

April, 1994

EFFECTIVE CONSTRUCTION CONTRACT ADMINISTRATION Finishing the Project Within Your Fee!

**Joint CSI/AIA
Dinner Meeting:**
April 19, 1994
5:30 No Host Bar
6:30 Dinner
Cost: \$20.00
7:15-9:00
Program

R.s.v.p. by
3:33 pm Friday,
April 15th;
call the
Association office
at (503) 223-8231.

Everybody is
welcome!
(Meeting not
limited to CSI/
AIA members.)

Can't make
dinner?
Come for the
program at 7:15.

Meeting is third
Tuesday.

Portland Chapters CSI & AIA Joint Meeting

The design is complete, the documents are finished, the bids were within budget, and a general contractor is on board. A feeling of relief pervades the architect's office. Finally, the project is going ahead, and now it is the contractor's turn to construct the job in accordance with the construction documents. The architect only needs to look at the job costs to see how the estimate translates to reality, and then see the job when it is done. Time to relax and think about the next project that needs designing.

What now, you say? The contractor is unclear about what the architect wanted? But who from the architect's office is going to deal with the project now? The architect really does want the project to go well and to fully represent the design intent; yet how can they do more work on this project and make any money? Good question!

For those of you who think "architects making money" is an oxymoron, and for you owners and architects who think the project builds itself without ongoing input from the design team, it is time for a reality check.

On April 19th, Portland Chapters CSI and AIA are pleased to welcome **Jim Mueller, AIA, member of Board of Directors, Kaplan/McLaughlin/Diaz Architects** of San Francisco. As Operations Manager for their six offices, he has held complete responsibility for implementing the contract for projects ranging from a half million dollars to over \$125 million. On the construction side, Jim has also been an estimator and project manager for projects ranging up to \$4 million. Jim will draw from his diverse experiences to provide a uniquely broad-based perspective about what the architect needs to do before and during the construction phase to make the project successful—and within budget!

This joint meeting will offer an opportunity to meet fellow architects, contractors, product representatives and manufacturers, and to gain insight into all of the roles required to administer construction contracts effectively.

ARCHITECTS NOTE! This program qualifies for AIA Continuing Education System Credit. If you would like credit, please say so when you call the AIA office with your reservation. A \$10 fee will be charged to cover administrative costs.



**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
APRIL 19, 1994**

**41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE**

The President's Message

John Lape CCS, President

This spring has been a busy one for our Chapter. In April alone, we welcome our colleagues from AIA for a joint meeting, host our annual Products Fair, and the Leadership Conference in Tacoma begins.

Much work has gone into putting on a joint AIA/CSI dinner meeting. There is more information about the joint meeting in the cover article but I would particularly like to thank our Program Committee, Mark Zanier (the Chair of the AIA Program Committee), and Bob Hastings (the AIA Portland President) for bringing this joint meeting to a reality. Having this joint program has been one of my goals for some time. I have pushed for the program for two reasons: First, I think it benefits of all of us in the construction industry to capitalize on every opportunity for interaction, discussion and work between related associations that make up our Industry. Second, I have wanted this program to be an April Program to help spread the word on the benefits of our Products Fair. This show has much to offer to the whole industry, not just CSI members.

This year the Products Fair will be held on Thursday, April 21st. William Clark and the Product Rep Share Group have worked very hard for many months to put the Fair together. Their enthusiasm and hard work, I am confident, will produce the best Products Fair we have had. The Fair provides anyone in the construction industry, (not just CSI members), access to products and knowledgeable representatives—all at no cost. There will be over 100 booths, door prizes, and a free buffet. Even if you only have an hour during lunch or after work, please come by and see the Fair. I recommend that you spend three to four hours, however, absorbing the information available.

At the end of the month, the annual CSI Region Leadership Conference starts in Tacoma. This is a gathering of Board of Directors, Committee Chairs and Co-Chairs from the eight Chapters in our Region. There will be opportunities to talk to leaders of other Chapters to share ideas and get help from your peers. The Conference also provides individual and Chapter leadership training to help our Chapters run more smoothly. Our Institute Directors, Jim Chaney and Sandi Velleca, led an effort about a year and half ago to revitalize and reformat this Conference. Last years' Conference was the first to demonstrate the effects of their efforts. This Conference now provides a great opportunity for learning and is well worth the time. Best of all, it is virtually free! There is no registration fee; although there is a sign-up form, which is included in this issue. The Portland Chapter reimburses its members for one night lodging at the La Quinta Inn. I am planning to take my short bus to the Conference this year, leaving Friday evening, so perhaps many of us can car pool.

In addition to the three activities just discussed, there are many other things happening. The 1994/1995 CSI Directory is again being published by Performance Publishing. The

scheduled release will coincide with the Products Fair. CSI members will be mailed their directories direct from the publisher. We will have additional copies available at the Products Fair.

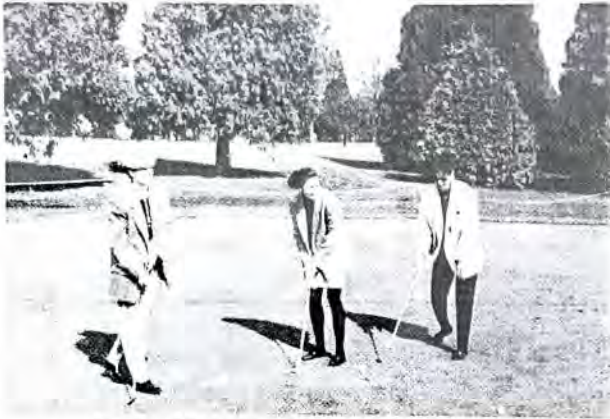
This month we will be electing our 1994/1995 Board of Directors. Dale and I both have another year to go on our terms. There are, however, five openings on the Board to be filled. Rick Heiserman has decided to take a well deserved year off after five consecutive years serving as the Chapter Secretary. Skip Brown has agreed to step up from his director position to take Rick's place as secretary. Katherine Wissler had to resign from her treasurer position to provide more time to attend to the needs of her family. We wish her the best and hope that she will keep in touch with our Chapter. Vicki Miller has graciously stepped into the treasurer's role this spring and now appears on the ballot for next year's position. The Nominating Committee, with the Board's consent, has decided to begin the shift in the industry and professional make up of our Board. Our revised bylaws, which are now before the membership for approval, call for Directors composed of two industry, two professional and two either industry or professional positions. This represents a change from the past where the requirements were four professional and two industry positions. All of the nominees on your ballot are active in our Chapter and would be excellent additions to our Board. I'm looking forward to working with those directors that our membership selects.

The Board decided, at the February meeting, that we would keep the Portland Chapter dues at their current level for the 1994/1995 fiscal year. Our Chapter has not had a dues increase for quite some time, but it is felt that our budget appears to be sound and does not warrant an arbitrary increase. The Board also acknowledges that the cost of the Chapter dinners has risen this past year and another increase simply wasn't necessary.



Cherie McNabb prepares for upcoming CSI Tournament (Jim Rother waits)

Finally, a few words about golf! Our Portland Chapter is participating in two Golf Tournaments this year. In June, we will be holding the Second Annual CSI Golf Tournament. This is an event put on solely by our Chapter. It is a fund raiser for the Providence Child Center with excess proceeds, if any, going to the Chapter Funds. Providence Child Center, as you may recall was a recipient of our December 1993 Giving Tree and Program. Our Chapter will also be participating, as we have for many years, in the AIA/CSI Golf Tournament in September. That tournament is being expanded to include other Industry members and will serve as a fund raiser for the Portland Community Design.



Cherie McNabb, Vicki Miller & Linda Joens (l-r) practice at the driving range

TABLETOP DISPLAY

March 1994

John Kehrl, Construction Products NW



1994 Products Fair Exhibitors (at press time)

Access Control Systems, Inc.
 Advanced Entry Systems, Inc.
 Ameritone Paint Corp.
 Ark Material Distributors
 Armstrong World Industries
 ASC Pacific
 Atlas Insulation/Bond Cote Roof Systems
 Best Locking Systems
 BMC West
 E. B. Bradley Co.
 Capitol City Door, Inc.
 Celotex Corp.
 Concrete Paving Stones Company
 Crawford Roll/Lite Door Sales
 The Cronin Co.
 Crossfield Products Corp./Dex-O-Tex
 Custom Products & Services
 Daily Journal of Commerce
 DeaMor Associates, Inc.
 Division Seven Support
 Domestic Supply Co.
 Exterior Technology
 Exterior Systems
 Flexco Co.
 Forest Grove Lumber
 The Garland Co., Inc.
 G. S. Roofing Products Co.
 Insulgard/Flexlite
 Interior Technology
 Lemons Millwork
 Mapei, Inc.
 Masonry & Ceramic Tile Institute of Oregon
 McClure Industries
 W. R. Meadows, Inc.
 Miller Paint Co.
 Mutual Materials Co.
 National Marketing
 Northwest Construction Products
 Oregon Strand Board Co.
 Patcraft Commercial Carpet
 Ravin Distributors
 Saturn Associates
 Sherwin Williams Co.
 Silver Metal Products
 G. L. Simms & Assoc., Inc.
 Snyder Roofing
 Sound Floor Coverings, Inc.
 Taylor Metal Products
 Thompson Tile
 Tile Distributors
 Trym-Tex
 Ultrablock
 Wanke Cascade
 Washington Alaska Roof Systems
 Weather-Bos Special Stains
 Westblock Products
 Western Allied Systems
 Western Insulfoam
 Westmark Products
 Willamette Fence Co., Inc.
 Wood Window Distributors

BS BY KS**Basic Specs by Ken Searl**

For many years I have stated that a layer of sand should not be placed over interior vapor retarders under concrete slabs on grade. The following is taken from my BS column of January 1991:

In the Letterbox feature of *The Construction Specifier* magazine of August 1990 there is a Letter to the Editor by Robert W. Lancer, AIA CSI, of Houston Texas, entitled "Sand Layer Unnecessary." Mr. Lancer states that he feels the addition of a sand layer could be detrimental for several reasons and I quote some of them as follows:

1. When concrete is poured over dry sand, the sand pulls out the water all right but it takes cement with it, removing it from the concrete where it should be.
2. Saturating a sand layer with water prior to pouring concrete will result in a longer drying period until floor covering can be applied to the concrete slab.
3. Adding a sand layer adds to the cost.

I contacted Mr. Lancer who responded with the following: "I stand on my previous statement that placing sand or (other granular fill) on top of the membrane is both unnecessary and may actually be detrimental." He also states that he makes this statement based on experience as a Project Architect and Specifications Consultant for over 40 years in Houston, Texas. His experience includes over 2,500 projects of varying sizes and types. The great majority of these projects included slabs on grade.

In the December 1993 issue of *The Specifier* magazine, on page 99 there is an article entitled "Moisture Problems in Slabs on Grade: An Update" by Thomas K. Butt, AIA CSI, of Point Richmond, California. Mr. Butt states that both ASTM and ACI are working on standards and, apparently in both cases, are recommending granular fill directly over vapor retarder. I refer you to the magazine article, page 99, middle column, wherein one of the statements reads: "Waterproof membranes should be placed under a minimum of 4" of trimable, compactable, self draining granular fill. A so-called "crusher run" material (usually graded from 1" to 2" down to rock dust) is suitable. More descriptions and recommendations are also given.

Let me add my 38¢ worth. I contacted Thomas K. Butt who forwarded several items including his involvement with ASTM Task Group E06.21.14. It now appears that ASTM may not be recommending granular fill over vapor retarder as shown in paragraph 3 above. His group recommended that their Draft #3 delete the requirement for and description of cushions, blotters and protection courses from the body of the document and provide discussion of pros and cons in the appendix. If this is approved then it is up to the specifier whether or not a sand or gravel protection course is required. I also contacted ACI regarding this subject.

I recently retired from an architectural firm with an

employment record of nearly 30 years. During this time period, my firm designed many buildings with vapor retarders under interior concrete slabs on grade. Specifications prohibited placing anything between concrete slab and vapor retarder. Also during this time period, no failures were encountered due to moisture penetration. I feel that no failures were encountered due to the following guidelines and information we normally followed:

1. Before commencing design of any building, obtain a soils report from a reputable soils engineer to determine condition of underground conditions. This is very important both for slabs on grade and building design loads, etc.
2. After receipt of soils report it is usually necessary (at least in our part of the country) to include a foundation drainage system and in some cases an interior drainage system.
3. After subgrade/base specified is compacted, require that either the base is completely smooth or permit a light sand fill to smooth out any imperfections.
4. Never specify light wire mesh (6/6 X 10/10) as pictured in Photo 1 on page 99 of *The Specifier* magazine. Normally specify #4 or #5 rebars spaced 12", 15" or 18" o.c. depending on design consideration of anticipated loads and thickness of concrete slab. Many concrete slabs on grade end up being 3½" or less. If possible specify 5" slabs and in no case less than 4". Make sure you get thickness specified. Specify only concrete brick as supports under rebars. Regular metal chairs can puncture vapor retarder.
5. It is noted that minor cracking in areas where concrete floor calls for covering is usually no concern. If concrete floor slab does not call for floor covering, then the addition of nylon fibers in mix may reduce cracking. It is noted that cracking may occur due to high exterior temperature, high humidity, strong wind conditions and high cement temperature. High cement temperature usually only occurs in Springtime or early Summer in colder climates when all of a sudden there is a huge demand for concrete. In my previous employment with the US Corps of Engineers it was determined that temperature of cement when delivered should not exceed 125°F.
6. Vapor retarder, recommended minimum allowed is: "Sealtight" manufactured by W.R. Meadows Co. Place in 96" widths with 12" lap, 6" adhesive lap or 6" lap with 2" wide pressure sensitive taped joints. Do not use water soluble adhesives. Place vapor retarder continuous through all cold joints and interior forms. Where slab on grade abuts an exterior foundation wall or interior footing and column, place vapor retarder up sides of concrete forms with not less than 4" return sealed onto flat surfaces of vapor retarder.
7. Specify and insist that no penetrations of vaporretarder for purposes of placing concrete be allowed and call for mastic cement around all required penetrations such as conduit, sewer piping etc. Yes, this can be done without screed pins puncturing vapor retarder. One method is employing procedures used with multiple tilt-up concrete slabs. There are other methods available.
8. Place concrete with a concrete pump if possible. Concrete strength not less than 3000 PSI (stronger strengths should be considered if usage and load factors indicate) with 3" to 4" slump. With a water reducing additive in the mix no appreciable surface water appears and concrete finishers

can commence sooner. 9. Specify a water reducing agent in concrete. I ran across the following statement shown in a draft copy for consideration by ACI 302 *Design (Vapor Barriers/Vapor Retarders)* "Unfortunately, when concrete at any slump is placed directly on a vapor barrier or vapor retardant, there is a tendency to increase the potential for plastic and shrinkage cracking at the surface, as well as eventual curling. This invariably occurs since all fines are automatically forced to come to the surface during the normal bleeding process." This may be true for regular concrete. Placing a water reducing additive in the concrete mix changes all this and does not allow the so-called normal bleeding process to occur. In my opinion and experience, it is highly important that a water reducing additive be a part of the concrete mix. Added air entrainment is not necessary and may be a detriment especially if not placed in the concrete mix properly. 10. Specify and insist that no concrete be poured without an inspection of installed vapor retarder by Architect or Architect/Owners Rep just prior to pour. I have never encountered any curling or excessive cracking with methods outlined above.

I believe that much cracking is caused by improper compaction of sub-base, especially if there is no reinforcement other than light gage wire mesh. It seems to me that light wire mesh is a complete waste of time and money. I feel it is probably one of the reasons for cracking because some areas of the mesh usually end up too close to the top surface of the concrete slab. If one is going to use welded wire mesh, I recommend the heavy rigid type that is placed over structural decking in topping slabs. I have never witnessed light wire mesh being installed and held in a correct position (including one sidewalk poured on *This Old House* on Public Television). Every time I have seen a section of existing concrete slab on grade removed, with light weight wire mesh installed, wire mesh is never in the right place so why use it in the first place?

In my opinion steel rebars resist curling due to their strength and position of placement. I contacted several Contractors and Structural Engineers in my vicinity and some of them have only heard of curling. Those that had witnessed curling stated that they had never seen a curling slab with rebars.

A few years ago a member of the Associated Floor Covering Contractors called me and wanted to know if I would be a member of a committee to find out what could be done with the moisture problem his group was encountering with mostly new concrete floor slabs. I asked him "what problem" because apparently we didn't have any. The upshot of this was that their group made a video of me describing what to do about moisture problems. They have sold many copies since then so, if my recommendations were followed, it is hoped that this helped in resolving moisture problems.

One thing to keep in mind is that many floor covering installers apply moisture tests to slabs on grade and if too much moisture is shown, they will not place covering until moisture content reaches safe levels. This can be a disaster

if the project has a scheduled move in date.

I have never figured out why we keep having this long-standing argument whether or not to put sand and/or granular fill directly over a vapor retarder. Hopefully the above information can be helpful to you good people, The Readers. Call or write to me if you have any questions or comments. (This column began as an anticipated short column but it sure didn't end up that way.)

WHAT MAKES A GOOD PROJECT?

February Dinner Meeting

A panel discussion of some of the aspects which facilitate the construction process was presented by Joe Bolkovatz, Alan Beard, Dennis O'Toole, Lennie Sobo, and Jerry Milstead.

The issues discussed were those affecting the human and the technical aspects of the project. Entering the construction process with common objectives, the owner, designer, and contractor each have different responsibilities and perspectives regarding the most efficient use of the parties' resources, and the completion of a job within budget and on time. So it is essential that the communication lines are open, and that the procedures for clarification and change, conflict resolution, and decision making are in place from the beginning. Several tools which the industry has developed to accomplish these objectives were discussed by the panel, including partnering, scheduling, quality control, and value engineering. Contractual issues discussed included the importance of selecting the right type of contract—negotiated versus bid, inclusion of design-build items, and each parties' responsibilities. Other issues discussed were the role of the construction manager as the owner's representative, the contractor's input during the design process, the role of the architect during construction, the need of a positive attitude by the participants, and the most efficient ways of dealing with conflict resolution.

However, after all was said, I believe it was clearly understood that perhaps the single most important ingredient for a successful project experience is a good set of construction documents. We want to thank the members of the panel for their participation.

Gloria Rasmussen, CSI



Panel: Joe Bolkovatz, Lenny Sobo, Alan Beard, Jody Moore & Dennis O'Toole (Jerry Milstead, rear)

Spec ESQ.

In response to the growing need for legal input into the business of the profession, Hal G. Bloc, Professional CSI member, of the Orange County law firm Hart, King & Coldren, writes a monthly column for *The Orange Peel*, addressing questions of concern raised by the membership.

Q. *A continuing problem is the cost and potential impacts arising out of the processing and acceptance of substitutions on any given project. Are there any recommendations to minimize the impact of substitutions?*

A. There are no two words that impact costs and the design intent more than the phrase "or equal." Much has been written, pro and con (mostly con), regarding the "or equal" substitutions. On one hand, you do not want to discourage innovation or eliminate competition. On the other hand, you do not want a job impacted or your own costs significantly increased processing inappropriate or numerous substitution requests. How can your costs and exposure to claims be minimized?

Some solutions are obvious:

- Recognize that, in the real world, substitution requests are inevitable. Develop proprietary specifications that clearly define the performance characteristics and other requirements without drafting an illusory tailor-made specification that only allows one manufacturer to comply.

CSI M.O.P. cautions against combining methods of specifying in the specification of a single product.

John Lape, CCS, President Portland Chapter

- Include, as part of the specification, a "Substitution Request Form" that must accompany any proposed "or equal" substitution. The CSI format is a good starting point.
- **Enforce** the specifications or general condition requirements pertaining to substitutions, as well as all other provisions. You may either directly waive the substitution provision by not enforcing it or may indirectly waive it by not enforcing other contractual requirements.
- Be responsive to requests received. Court and arbitrators do not look kindly upon responses or rejections that do not address the issue timely or in a professional manner. Arbitrary rejection will buy you a claim.
- Make sure that a specified item is reasonably available or that it is still being manufactured. Specifications must be reviewed and periodically updated.

Some not so obvious solutions include:

- Do not allow shop drawings to become a quasi-substitution form. Shop drawings that attempt to substitute for specified items should be rejected and returned as not in compliance with the contract documents. Any attempts to comment on shop drawings on a "revise and resubmit"

basis, exposes the design professional to claims of partial acceptance of the substitution, or, if part of a system, acceptance of the system.

- Draft and coordinate your contract and the general or supplemental general conditions in a manner that compensates the design professional and back-charges the contractor for services related to the review of proposed substitutions. This will discourage inappropriate substitution requests.
- Raise the issue of any proposed substitutions as an issue in a pre-construction charrette of the construction documents between the design professional, owners, contractors and major subcontractors. This serves many purposes, including the identification of items that may result in substitutions or items that, due to long lead times or limited availability, could impact the project schedule unless substitutions or alternate solutions are considered. This charrette is the major loss avoidance tool you can utilize to minimize the potential for delay claims and to identify at an early stage the likelihood of substitutions being requested.

These are just some suggestions. Specific circumstances may require different solutions. Consult your attorney, ask other CSI members or refer to the *CSI Manual of Practice* before it becomes a problem.

Word for the Day:

charrette (also, *charette*) a final intensive effort to finish a project, especially an architectural design project, before a deadline.

ALL ABOARD

For the Leadership Express!

LEADERS...we want
LEADERS....

Wannabe LEADERS
Could be LEADERS
Used to be LEADERS

The Northwest Region Leadership Conference will be held at the La Quinta Inn, in Tacoma, Washington, from April 29th through May 1st. The Mt. Rainier Chapter is the host for this very popular annual event.

"Our purpose is to motivate our membership, with information, roundtable discussions,...what works and what doesn't. (And I gather from our very successful programs this past year, we, the Portland Chapter, will have much to share!)

If you would like a ride on the President's Bus, please call John Lape at 243-2837. He has room for 10!

Please see the registration form included in this issue for more information.

BID DAY! by Georgina Bernarda Shaw

BID DAY!, a drama in the manner of the great Greek tragedies, was, without doubt, one of this year's most remarkable theatrical events in the Northwest. In my vast experience as a critic, I have seldom been exposed to a production which so masterfully combines the sublime, the mundane, and alternates. While dealing with one of the most painful and traumatic human experiences—Bid Day—this drama managed to deliver large doses of hilarity and practical wisdom.

Playing to a full house, a group of wonderful actors, members of the Contractors Share Group, portrayed themselves at their day time jobs (actors don't make much so they moonlight as contractors). The audience, mainly members of the construction industry, was transported into the chaotic world of those putting a bid together. The experience can only be described as akin to Alice falling into Wonderland's rabbit hole.

The dialogue, which surely underwent drastic trimmings by a "good-manners-in-language" type censor, was still forceful enough to convey the agony of the struggle unfolding on the stage.

The actors delivered a wonderful performance, covering a wide range of human experiences: *Intrigue*—"Don't tell the architect now, save it for later." *Moral Dilemma*—"Shall we go with the Texas lady?" *Suspense*—"The cellular is gone!" *Courage*—"Let's write down this number." *Hope*—"I think everything is in there." And *Optimism*—"We were sixth out of nine, but we'll see...we might still get the job."

We learned, among other things, what a sub's scope letter is, that "add to" alternates are better than "deduct from" alternates, the importance of enforcing product selection, and how the contract documents prepared by the designer are used as the base for the contract between the contractor and the subcontractor. We were shown how the general selects its subs, which risks it has to take, and what the owner and designer can do to help make the bidding process a less uncertain experience.

The members of CSI Portland Chapter would like to thank this group of hard-working people for this most entertaining event and for having shared with us their unique knowledge, expertise, and insight into the exciting world of BID DAY!

Cast:

Joe Johnson
Nash Hasan
Jerry Harris
Dale Kuykendall
Donna Armstrong
Jim Rother
Jody Moore
Marty Lundell



PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

February 2, 1994

The meeting was called to order by President John Lape at 12:06 p.m. at the AIA/CSI office. **Present:** Chew, Heiserman, Hirte, Hymes, Kuykendall, Lape, Largent, Murphy, Wilson, Watson. **Absent:** Brown, Hirte, Wilson, Wissler. **Also Present:** Lee Kilbourn. **Discussion: Approval of Minutes:** Minutes of the January 4, 1994 meeting were approved as read. A motion was made by Dale Kuykendall and seconded by Larry Chew to accept the January 4, 1994 minutes. Motion passed. **Treasurer's Report:** A current balance of the Chapter's funds in both the checking and savings accounts was not available. A letter was received from Kathryn Wissler resigning as Chapter Treasurer, effective February 8th. A replacement is being considered. **Correspondence Reports:** 1. A number of Board Members received thank you notes from Ken Searl for the Roast and Toast given on his behalf at the January Chapter meeting. 2. John Lape recapped a letter he had written to Joe Gascoigne regarding his frustration and disappointment in the Institute's ability to deal with Chapter issues in a timely manner. John noted that Jim Chaney was making a trip to the Institute and will further convey items contained in this letter. **Old Business:** 1. The Nominations Committee is developing a list of proposed Board members for the 1994-95 year. This proposal revises the mix on the Board Industry/Associate and Professional members. This change in the mix is called for in the latest revision to the Chapter By-laws. It also reflects more closely the type of members in the Chapter. 2. Lee Kilbourn distributed an evaluation of the Bulk Mailing Service from Gayle Vrla. Bar coding was included in the February distribution of The Predicator as well as a different postage rate for each newsletter. Delivery area Postal Service "guarantees" delivery in three days from the time they receive it. Cost and performance will be evaluated at a future date. 3. Processing of credit cards by the Chapter is currently on hold until the new Treasurer takes office. **New Business:** 1. The Golf Tournament being held prior to the June meeting has been rescheduled from June 10 to June 17. Sponsorships are being acquired. Funds will be used to pay for prizes and a gift to Providence Child Care Center. 2. An increase in Chapter dues was discussed. Chapter expenses are increasing; however, revenues appear to match the increased costs. A motion was made by Dale Kuykendall and seconded by Larry Chew to maintain dues for the 1994-95 year at current levels. Motion Passed. **Committee Reports: Products Fair Chair:** PRSG—William Clark, Mike Beeson. 26 booths have been sold. The premium booths sold first. Printing cost to date are below last year's. It was requested that every effort be made to provide a list of attendees as quickly after the Fair as possible. **Next Meeting Date:** March 1, 1994 at noon. The meeting was adjourned at 1:10 p.m.

Richard Heiserman, Secretary

NEW MEMBERS ORIENTED February 8th

Our February 8th New Member Orientation welcomed the following new members:

John Bohan, Patcraft Commercial Carpet
Bob Feibleman, Pacific Harbor Capital
Tom Hendrickson, The Knoll Group
Joe Johnson, Emerick Construction
Midge Johnson, Sherwin Williams
Randall Johnson, Ultra Block
Cary Moist, Web Steel Sales, Inc.
Luke C. Motley, Express Copy
Jim Newcomer, Newcomer & Assoc.
Tony Shiroyama, Ameritone Paint Co.
Will Steber, Weather-Bos
Geoff Wensler, Armes & Assoc.
Howard Young, Best Locking Systems

We hope these new members now have a better idea about what "goes on" with CSI Portland Chapter...and how they can serve and be served by the membership."

If you are a not-yet-recognized new member or have not received your membership pin, please join us on May 10th for the next New Member Orientation meeting (and the final one for fiscal year '93-'94. We meet just prior to the dinner meeting—at 5:00 p.m.



CONTRACTORS SHARE GROUP Q & A COLUMN

Serious business this month!! A classic dilemma for the general contractor, and an intuitive answer for a materials supplier.

Q. A GC receives a low sub bid on bid day. The bid appears to be per plans and specs and, although a new company, it is a familiar person. The GC uses the bid, wins the project and later finds that the sub does not meet a certain qualification of the specs. The GC notifies the owner, who does not allow an exception. It is not worth it (or not feasible) to sue the low sub. The GC then offers the second bidder an opportunity to close the gap (about \$20,000 in this case). This subcontractor gets about halfway there. The GC cannot (or does not) wish to eat \$10,000 because of a bid he had no way of evaluating on bid day. The GC opens it up to the marketplace and receives a bid from a sub who did not bid originally. This bid is such that the GC will only lose \$6,000. Is this bid peddling? Should he have simply taken the second bidder? (Submitted by a local GC)

A. As a rule, our company makes sure we understand the specifications and qualify our sub-bidders accordingly. We would simply go with the second bidder. (Submitted by another GC)

A. I don't think the GC is out of line at all. In this case, we would have done exactly the same thing. The first place to look is to the second bidder for help, giving him the full details of my dilemma. If he is unable or unwilling to help me, I would definitely open it up to other contractors. The trick here, I believe, to keep it ethical is to not reveal the price of the original bid when it is opened up to other subcontractors. These things happen far too often because of the confusion on bid day, and the GC is always the one who is expected to pay for anything that is unclear, with little help from anyone else involved, be it the owner, architect, or subcontractor. The next place I would go is back to the owner to petition him to reconsider some sort of allowance for my problem. If he was unwilling this time, I would be extremely careful about crossing my T's and start dotting my I's when it comes to change orders throughout the project. (Response by another GC)

Q. Why do I get such negative responses from architects when I submit a Substitution Request Form for my products? I have to make a living and, no matter how much I canvass the architectural firms in this area, I see projects hit the streets weekly with my competitor's products listed in my sections, while I am forced to submit for approval. (Submitted by a CSI Material Supplier)

A. Right out of the MOP, substitution requests are not always able to receive the same care in evaluation as the initial products selected for the project. Additional architect/engineer time is required. This is a major problem with me. The work we do is usually on a fee

basis, and the time required to review a pile of substitution requests is very costly. Couple this with the fact that these forms are usually accompanied by something like a 400-page three-ring binder which I'm supposed to peruse to locate the three paragraphs that apply to the section the hopeful materials supplier is trying to quote. I have a special file for these requests. It is round. On the other hand, it is greatly appreciated when a supplier properly submits a complete substitution request form that indicates divisions, sections, and paragraphs, and any pertinent drawings; along with specific back up (detailed and highlighted and circled) which clearly shows that his product meets the specifications. If I am doing my job, he will be accepted, and I will make an effort to add him to our master spec. I understand and feel for the supplier who has been approved for job after job and still has to go through the motions on each project. (Response by a CSI Architect)

The Contractors Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax them to 682-2190.



WHAT'S GOING ON?

April

- 19 AIA/CSI Dinner Meeting
- 18-20 Cook Inlet CSI Product Exposition
- 21 *Portland CSI 1994 Products Fair* (see article in this issue)
- 29-May 1 *NW Region CSI Leadership Conference*
Tacoma, Washington

May

- 10 Dinner Meeting—*Sealants: Waterproof & Structural Design*
- 11 Luncheon/Technical Seminar—*Elastomeric Sealant Design*

June

- 17 (Friday) *Portland Chapter CSI Golf Tournament* from 8:00 a.m. to finish, at Glendoveer Golf Course. Form a team for the Industry Division, Professional Division or the Open Division. You can also sponsor a hole and tee prizes! Half the sponsorship proceeds will go to Providence Child Center. Call now and join in the fun! Jim Rother 452-8550, Marty Lundell 682-2878 or Vicki Miller 226-3508.
- 17 *Portland Chapter CSI Awards Banquet* at McMenamins Edgefield Manor; 25 rooms are being held for serious partiers. Call 669-8610 to reserve your room. Identify CSI as your party.
- 24-26 *CSI National Convention* in San Francisco

August

- 4 *ProSpec '94 Exposition* with NW and Pacific Region AIA, in Seattle, Washington
- Contact Jody Moore with any questions at (206) 574-3449, or (503) 248-6799.

Northwest Region CSI Leadership Conference HOTEL ACCOMMODATIONS

La Quinta Inn
1425 East 27th Street
Tacoma, Washington 98421
(206) 383-0146

Rates: Single \$50 per night
Double \$58 per night

Ask for "CSI Block of Rooms" when making your reservations. The block and special rates will be held until April 15—please make your reservations early.

Directions:
From I-5, take the *Portland Avenue* exit (northbound exit #134, southbound exit #135)

Around the Region . . . a calendar of meetings

- Cook Inlet, Anchorage, Alaska
Third Tuesday
Ken Maynard—(907) 276-4218
 - Idaho, Boise
First Tuesday
Scott Henson—(208) 345-6677
 - Mt. Rainier, Tacoma, Washington
Third Tuesday
Cheryl Rue—(206) 383-3084
 - Portland, Oregon
Second Tuesday
Jody Moore—(206) 574-3449
 - Puget Sound, Seattle, Washington
Second Thursday
Relta Gray—(206) 382-3393
 - Capitol, Salem, Oregon
Third Thursday
Darwin Doss—(503) 327-6633
 - Spokane, Washington
First Tuesday
Tom Crossan—(509) 327-6633
 - Willamette Valley, Eugene, Oregon
Last Thursday
Paul Edlund—(503) 485-1941
- (The contacts given above are the program chairs or officers of the various chapters.)*

Northwest Region CSI Leadership Conference SCHEDULE OF EVENTS

- Friday, April 29th**
8-10 pm Mixer, Hotel Room 707
 - Saturday, April 30th**
8-9 am Registration & Continental Breakfast
9-Noon Seminar
Noon-1 pm Lunch
1-5:30 pm Technical Program
6-8 pm Social & Dinner
8:30-11 pm Casino Night
 - Sunday, May 1st**
8-9 am Continental Breakfast
9-11:50 am Technical Program
- For registration info, call:
Bob Kenworthy (206)383-1011

EDITORIAL POLICY

The Predicator is published monthly by the Portland Chapter of the Construction Specifications Institute, Inc. Inclusion of articles and announcements do not necessarily imply endorsement thereof by CSI. Opinions expressed in the bylined articles are the author's, and do not necessarily represent the view of CSI, the NW Region, or the Portland Chapter.

Take Tri-Met to the Products Fair!

Stop by the Chapter Office and pick up a Tri-Met "Short Hopper" ticket, valid for travel from downtown to the Red Lion Lloyd Center for the Fair. Lee Kilbourn and Margie Largent will have them at the dinner meeting on the 19th; you may ask them for a ticket.

MAX light rail vehicles are scheduled to leave Pioneer Courthouse Square, heading to the Fair, during the middle of the day at 12, 27, 42 and 57 minutes past the hour—that's every 15 minutes. Later in the afternoon, they leave even more frequently—so there's your "Free Ride"! Remember to imprint your ticket in the validator before boarding MAX.

When preparing to return to downtown, check your ticket for the expiration time. If you can be on board by then, you can ride back with the same ticket. If not, pick up another ticket in the Registration area, or from Lee Kilbourn.

MAX is scheduled to leave the stop next to the Red Lion during the middle of the day at 6, 21, 36 and 51 minutes past the hour.

Please join us.

Institute New Member Campaign to Conclude

CSI's "Every Member Sponsor a New Member Campaign" is in its final month. Portland Chapter is leading in the Northwest Region race, with the Puget Sound Chapter next. Lee Kilbourn, leader of our Membership committee, said discounts may be available for eligible new members, and that interested sponsors should contact him before the campaign concludes on April 30, 1994. Prospective new members should contact him at (503) 224-3860

CSI's 38th Annual
Convention and Exhibit
June 24-26, 1994
Moscone South
San Francisco, California



Advancement
of Construction
Technology



Northwest Region CSI Leadership Conference REGISTRATION

Name/Company _____

Mailing Address _____

Daytime Phone/Chapter _____

I/we plan to attend the following events: (Please indicate number attending each event.)

Friday Evening:

Mixer _____

Saturday:

Continental Breakfast _____

Seminar _____

Lunch _____

Technical Program _____

Dinner _____

Casino Night _____

Sunday Morning:

Continental Breakfast _____

Technical Program _____

Registration & Meals Are Free

Please complete this registration form and return it to the Mount Rainier Chapter by April 10th to allow us to complete our conference preparations. Late registrations will be accepted, but please let us know as early as possible so that we may prepare name tags, registration packets, etc. and to confirm meal counts.

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 President-Elect
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 1991-93 President
 Jim Hirte CDT 620-0106
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 (503) 362-3472

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 (503) 342-8077
 Jury of Fellows
 Dave Thomas FCSI (206) 337-8971
 Technical
 Chris Bushnell CCS (206) 357-9988
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 Brad Williamson CCS(206) 623-4646
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 Ivan McCormick CCS 292-3958
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Institute Directors

Northwest Region

Jim Chaney, CDT
 McKenzie Commercial Cont. Inc.
 865 W. 2nd Ave.
 Eugene, OR 97402 343-7143
 Sandi Velleca, CCS
 Arctic Slope Consulting Group
 301 Danner Ave., Suite 200
 Anchorage, AK 99518 (907) 349-5148

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

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The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 9

May, 1994

Portland Chapters of The Construction Specifications Institute and The Sheetmetal & Air Conditioning Contractor's National Association Joint Meeting

Dinner Meeting:
May 10, 1994
5:30 No Host Bar
6:30 Dinner
Cost: \$20
7:15-9:00
Program

R.s.v.p. by
3:33 pm Friday,
May 6, 1994
call the
Association office
at (503) 223-8231.

*Everybody is
welcome!*

*Can't make
dinner?
Come for the
program at 7:15.*

Technical Seminar:
May 11, 1994
Noon-1:30 p.m.
30th Floor
US Bancorp
Tower
Cost: \$10

ELASTOMERIC SEALANTS Watertight Design

As building designs become more complex, we rely more on elastomeric sealants to provide the watertight interface between different materials and systems. Yet, how sealants work and why they work remains a mystery to many. While better sealants are being designed and manufactured, sealant failures remain one of the more expensive, recurring problems on projects. Well designed wall panels or flashings, sealed incorrectly, will leak. "Caulk watertight" is a note that requires acknowledgement of the forces acting on sealants and careful planning by the design professional and the applicator.

On May 10th, the Portland Chapters of CSI and SMACNA welcome **Tom Crawford** of **Pioneer Waterproofing**, **Larry Carbary**, long-time silicone expert for **Dow Corning**; **Frank Calabrese**, discussing polyurethane sealants for **Tremco**; and **George Yezbak**, of **Morton International**, speaking on polysulfides

At the Tuesday dinner meeting, our speakers will give an overview and discuss physical properties of the sealants, proper joint design, and compatibility with other sealants. They will demonstrate proper substrate preparation, installation procedures and testing.

They will also familiarize you with the sealant limitations and inappropriate applications. With slides, samples, and their wealth of knowledge and experience, our presenters will give you a working knowledge of the three main sealant products you will be using.

TECHNICAL SEMINAR Elastomeric Sealants

On **Wednesday, May 11th, from noon to 1:30 p.m.**, we will present a technical seminar on the specifics of elastomeric sealants and their use. **Larry Carbary** will teach how to calculate expected joint movement; **George Yezbak** will cover difficult substrates and their proper handling; and **Frank Calabrese** will reveal why a product fails.

Architects, contractors, inspectors, contract administrators, project managers, and installers are all urged to attend the Wednesday seminar in the Board Room on the 30th floor of the US Bancorp Tower. Lunch will be hosted by Pioneer Waterproofing.

ARCHITECTS NOTE! The dinner program and the Wednesday seminar qualify for AIA Continuing Education credit. If you would like credits, please indicate this when you call the AIA office with your reservation. A \$10 fee will be charged.

**NEXT MEETING
US BANCORP TOWER**

**TUESDAY
MAY 10, 1994**

**41ST FLOOR
ATWATER'S RESTAURANT
111 SW 5TH AVENUE**

The President's Message

John Lape CCS, President

I thought that I would dedicate my President's column this month, to a primer for the National Convention. This year the Convention will be held in San Francisco, making it more accessible to our chapter members; and San Francisco certainly has a more hospitable climate than the Houston and Atlanta sites of previous years. The convention is held annually at the end of June. It will present about a 1,000 booths, showing the leading products in our industry from all over the nation, as well as a great many educational seminars.

I attended the last two conventions and thought that I would provide some tips to newcomers. First, you might still be able to get some ultra cheap airline tickets if you act now. Second, the Portland Chapter will reimburse board members and committee chairs for their convention registration fees. For a number of years, the Board has recognized that this convention represents an educational opportunity and some exposure to national firms that may not be available in the Northwest.

I recommend that you register early and, if possible, get into the Headquarters Hotel. This will put you closer to the action and this hotel is typically the meeting place for spouse tours and the hospitality parties. Also, be aware that the way you sign up on the registration form will be the same way your name will appear on your convention tag. Therefore, if you want CDT, CCS, FCSI, CCPR, CSI, etc. after your name, please add that to your registration form. Along those same lines, you will need to visit the credentials booth at the Convention. This is where you pick up the ribbons you will see hanging from name tags. It seems that they have ribbons for virtually every description, from delegate to President!

Here are a few things to keep in mind when planning your trip: The convention itself is jam packed with exhibits and seminars so there will be no time to experience San Francisco. Plan to go down early or stay after the convention if you want to do any sightseeing. If you are just going to attend the convention, you might want to time your arrival to take advantage of one of the pre-Convention tours that are offered. At a minimum, I suggest that you be there in time for the Thursday evening Convention mixer. This will give you some time to get settled before the shot-gun start the next morning. The convention usually raps up with an excellent keynote speaker, followed by a member forum and annual meeting mid-Sunday afternoon. I agree that the member forum might not be the best use of time, but the speakers in the past have been very worth while. Bottom line, Sunday is more than the typical wind down day of most conventions so I suggest you plan your departure for early Sunday evening.

Personally, I have been planning for this convention for over a year. Stanford University in Palo Alto is one of the sites of the 1994 Soccer World Cup. Several of my old

soccer buddies and I have gotten tickets for first round matches to be held the same week as the CSI National Convention. We will see four World Cup first round matches. I'm going to head down the weekend prior and will come back the Wednesday after the convention. Between games, prior to and after the Convention, some of us will challenge some of California's white water rivers. Obviously, it will be a full week and a half for me!

I have found that the Convention itself offers an almost overwhelming amount of information. There are far more seminars and booths than time will allow you to attend. To make the best use of your time, you really need to have a game plan going in. The exhibit hall and seminars are not open concurrently so you don't have to sacrifice one for the other. The pre-Convention information that the Institute sends out provides a list of the seminars by topic and time chart. Study the topics and chart to decide beforehand. As I've said, the exhibit hall has over a 1,000 booths on a convention floor that makes our Portland Convention Hall look like a walk-in closet! Even spending every available minute on the exhibit floor during the three days of the Convention, it is not possible to see it all. To get the most out of your time, look over the list of exhibitors and prioritize those that you want to see.

Also, be aware that the list of exhibitors, and especially, the booth numbers, sometimes change from the preliminary information put out by the Institute. Wait until the latest booth numbers are published (either just prior to or at the convention) before determining your final itinerary.

Most conventioners shed their formal business attire for the seminars and exhibit hall. You will see some people dressed in suits but most realize they will be spending long days spent on concrete floors covered by thin carpets. The convention mixer on Thursday is also a casual affair. The opening and awards ceremony, held Friday morning, and the talk by the keynote speaker that day are generally attended in business attire however. There are some that attend these functions in casual attire and you won't be out of place if that is your choice. The hospitality suites held Friday evening are amazing, extravagant parties and most wear suits or a coat and tie.

The President's dinner, held Saturday night, is a formal affair which is strictly suits or formal attire. This event is, frankly, of little interest to most members as it caters to the Institute, Region and Chapter muckity mucks. If you are one of those, go for it; otherwise go have a local brew!

Sunday's events, including the talk by the keynote speaker and the member forum, are almost completely casual. By this time, all will have relaxed and gotten comfortable.

The National Convention does offer many opportunities for your personal "advancement in the Construction Industry." Neither Seattle or Portland have exhibit spaces large enough to hold the National Convention so it is unlikely that it will ever be closer than San Francisco any time soon.

I hope to see you there!

BS BY KS**Basic Specs by Ken Searl**

Recently I attended Capital Chapter CSI Products Show held in Salem, Oregon. Attending a function of this type is very educational in more ways than one. Not only were there many booths of various manufacturers represented, but there were seminars held on various subjects. Discussions centered on three subjects: earthquakes, metal roofs, and specifications. (Now, that is quite a combination!) Specification seminars were held in the afternoon and were presented by Paul Edlund, FCSI, CCS, AIA. Paul did a very good job with his presentations. Paul stresses clear and concise specifications with the thought that a less wordy specification is much easier and quicker to understand than long winded wordy specifications.

As usual, I noted a few things during these discussions, particularly in the type of questions asked or statements made by the attendees. One person stated that, in substitutions requested after bid opening, he felt his firm's hands were tied because of the practice of some suppliers and manufacturers going directly to the owner and convincing the owner to use their product in lieu of items specified. The owner has the right to request a substitution after bid opening but most owners usually leave final approval to the Architect/Specifier. In my opinion and experience, most after-bid substitution requests usually involve a product that is cheaper and not as good as approved items.

Several years ago, our firm specified a certain exterior cladding for a medium size building, but one the owner's clients wanted their product installed. We went ahead with the owner's request and yes, you may have guessed, the product failed. It ended up our firm had to pay for corrections to make this cladding work properly. Now, which is the way to go? Let an owner override an architect or let the architect decide what is suitable? In my experience, most after-bid substitutions are of lesser quality which is probably why they are also cheaper. Quality of a requested substitute product can usually be ascertained by thorough investigation. Sometimes an actual cross section cut must be made to determine interior assembly and strengths. One can really be surprised at what is inside some products.

I don't believe it is normally in the best interests of the owner to allow after-bid substitutions except under certain conditions. I suggest the following (or similar) wording be placed in all Project Manuals:

After bid substitutions permitted only as follows:

1. *Manufacturer ceases operation or approved products or systems are no longer available. Contact architect immediately if this occurs.*
2. *Owner or architect requests a substitution.*
3. *Changes in contract time and cost, if applicable, will be considered.*

Products or systems that are either not specified or approved as a substitute during bidding period are not acceptable on project.

Submission of a bid knowingly without being able to supply specified products or systems at time of bid is not acceptable. Submission of substitution requests, shop drawings and installation of products or systems at project is not acceptable.

Above wording may be placed in "AIA 201 Supplementary Conditions, Paragraph 3.5 Warranty, Subparagraph 3.5.1." If you are using new "AIA 201 computerized General Conditions," revise "Subparagraph 3.5.1." I prefer placing it in "Section 01630 Product Options and Substitutions," if using AIA 201 computerized program because Supplementary Conditions are not required in the computerized version. I feel it will be more noticeable in Section 01630. In the computerized version AIA 201, all Supplementary Conditions are placed in General Conditions as required to meet project requirements.

Incidentally, if your firm requires more than approximately 90 copies of AIA 201 per year, I suggest you consider purchasing this computerized program, which is renewed yearly. This program contains practically all the AIA forms in A, B, C, D and G Series. With this AIA program, it will no longer be necessary to stock any AIA forms. Contact your nearest AIA office for information. Tell them Ken sent you.

In preparing a Project Manual, I recommend including CSI Northwest Region's Substitution Request Form for all substitutions. If you don't have a copy, let me know and I will send you one including suggested associated wording.

NEW MEMBERS UNITE

This is your final opportunity before summer break to "get oriented" and to receive your new member pin.

We are meeting on May 10th, 5:00 p.m., on the 41st floor of the US Bancorp Tower. Come to Atwater's Restaurant banquet rooms, adjacent and prior to our regularly scheduled dinner meeting.

We would like to introduce you to the Board and committee people; and tell you a little about CSI Portland Chapter, what we do and how you can benefit from your membership. Snacks and a complimentary wine will be served.

Please call me at 635-6227 and let me know you are coming!

Inge A. Carstanjen, CSI, CDT

NOTES AT DINNER—April 19, 1994

97 members and guests of the Portland Chapters of CSI and AIA attended the April 19th dinner meeting on *Effective Construction Contract Administration*. After an excellent dinner, we listened with intense interest to Mr. Jim Mueller, AIA, of KMD Architects expound on the various pitfalls encountered in the relationships vis-a-vis architect-owner-contractor "deals." Mr. Mueller touched on how best to cover oneself for each and every contingency and what could happen when you don't, i.e. mediation, arbitration, litigation.

By 9:00 p.m., I was wondering seriously why any right thinking person would want to become involved in construction! It seemed more like war to me!

Mr. Mueller did have thoughts on a more positive vein however. I felt he was much more kindly disposed to the "design-build" relationship in that there was more opportunity to discuss and agree **before** a contract is entered into, to iron out any possible areas of conflict. So while many agencies in the public sector are requesting bids to design-build projects, there still are a great many projects open to public bidding and *therein lies the rub*. (*Opinions of the editor only.*) Look in the June issue of The Predicator for more detailed notes.



PACIFIC NORTHWEST GUIDE SPECIFICATION POOL (PNWGS)

Guide Specifications

The idea behind the CSI PNWGS Pool was proposed by Seth Jackson, FCSI, several years ago, but it was only recently implemented by the Puget Sound Chapter of CSI. Each guide represents a specification that has been used in a construction project in *this* region, and not a master specification as we commonly think of them.

The master specification is intended to be an exhaustive rendering of a broad scope, covering product specifications such as AIA's *Masterspec* and CSI's *Spectext*. The PNWGS, on the other hand, tends to be a narrow-scope specification, covering a specific application of a product to a particular project or building type somewhere in our own region, with our region's peculiar requirements and using products currently available here. These guides are not edited by committee or intended to represent the ultimate in construction specifications, but merely serve as a starter reference to architects and engineers endeavoring to produce a project specification.

This month, four new sections were added to the list of 46 previously available guides. Added were: 07311 *Asphalt Shingles*, 07532 *EP Roofing Membrane*, 07533 *Hypalon Roofing Membrane*, and 11510 *Type CB Roof Anchor*.

The guides are available to CSI members from the CSI Puget Sound Chapter office at 603 Stewart Street, Lloyd Building, Suite 610, Seattle, Washington, 98101; or call (206) 624-4070 for a list of guides.



THE EARLY DAYS

Donald Paine, FCSI, Member Emeritus, AIA, passed away late last year, a fact perhaps unnoticed by most CSI members outside of his home chapter of Puget Sound. He was one of the early prime movers of the Institute in Region 12, which later became the Northwest Region. His contributions include:

- Charter member of Puget Sound Chapter, the first chapter in our region
- Second president of Puget Sound Chapter (1959-1960)
- Second Region Director (1961-1964), presented our chapter its charter in 1961
- Second Fellow in the region (the first Fellow was Frank Stanton, who was instrumental in development of the 22-part, reduced to 19-part, reduced to the 16-division CSI format in universal use today)
- Don assisted those efforts and was the first to use the 16-division format in universal use today)

Recounting these highlights of Don's career in CSI set me to reminiscing further. Don and I shared the honeymoon suite (it was the only room left) at Oceanlake in October 1963. We were in Oceanlake to present information and membership forms to members of the AIA Northwest Region Conference. It was also the night before the "Big Blow," which made it even more memorable.

My first Institute convention was in 1963 at Detroit's Cobo Hall, where my specification for LaGrand Industrial Supply building was given an award. Don was there. He introduced me to Jack Lewis, incoming president of the Institute. Later that year, Don and Jack visited our chapter meeting, held at Caro Amico restaurant where dinner was \$2.50, and convinced me to work toward following Don as Region Director. That led to my seven years on the Institute Board and executive Committee.

It has been 35 years since I was privileged to be part of that group that worked toward chartering the Portland Chapter. A lot of good people, who put in untold amounts of time, sweat and tears on behalf of this chapter, have passed away over the years. Since we are in a Memorial Day mode in May, I would like to list a few who worked so hard to help our chapter and CSI attain the position it now holds in the construction community. The death of some have been noted over the years, others are still with us but we have not heard from them for some time.

Bob Fritsch, who died on March 29th, was a founding member of our chapter. He also became a founding member of the Willamette Valley Chapter after moving to Eugene in 1964. He was a tireless and dedicated worker in chapter and region affairs the entire time.

Al Hansen, early Kilbourn-like membership chairman for our chapter, Plaster Bureau head. Al who knew all there was to know about plaster and taught all the rest of us before retiring at age 83.

Bob Burns, NECA secretary, gave our fledgling chapter a

meeting place during the early 1960s.

Russ Graham, faithful board member, co-chair of Portland's 1974 Institute convention.

Don Edmunson, John Foster, Don Kroeker, Stu Mockford, and Jim Hickey quickly come to mind. There are many others that should be mentioned, but let these be representative of the many who recognized the value of the goals of CSI in the "early days." We can all be grateful they could be with us for a while.

Dick Ehmann, FCSI, CCS

BOB FRITSCH, AIA, CSI

CSI members and friends mourn the passing of Robert William Fritsch, CSI, who died March 29, 1994.

Bob attended the January 29, 1959 initial interest meeting which gave birth to the Portland Chapter of CSI. Bob became a charter member of the Portland Chapter. He soon after moved to Eugene and became a member of the Willamette Valley Chapter, when it was formed in February 1968. He was author of an article "Camp Abbott—Sunriver Heritage" on the occasion of our Bi-Region Conference several years back. Bob attended our 25th anniversary celebration and was "dubbed" in 1985.

M. Largent
Chapter Historian



CONTRACTORS SHARE GROUP Q & A COLUMN

Q. *In preparing a bid for a project, we receive many numbers from many different sub contractors and materials suppliers alike. We are not experts in these products and services so we rely heavily on the accuracy and clarity of the specifications, and hence the knowledge of the specifier, as well as the knowledge and professionalism of the materials suppliers and sub-contractors. I have a simple problem to share with your readers and would like to have a definitive answer, if possible:*

In a certain section of the specifications for a large project, in Part 2, a product was listed by manufacturer and specific model number. It also appears that the section included language which might have been part of the manufacturers "canned specification," which described the product in such a way that it listed aspects of the product that differed from their competitors "equal" (imagine that!). This normally would exclude the competing manufacturers from the competitive bid, or at least force them to submit their products for approval per Div. 1, Product Substitutions, but several manufacturers were listed in Part 2, Products, as "approved."

Not having the time, or the expertise to compare products at bid time, we accepted a number from one of the manufacturers listed as "approved." We have been awarded the contract as successful low bidder and have been made aware that the product does not meet some of the descriptive criteria per the language in the specifications. What do we do now? (Submitted by a CSI Contractor)

- A.** I consider it inexcusable that a supplier would furnish a quote without taking the time to at least pose the question to the architect. I do not find fault with the general contractor at all. At this point, it all boils down to how committed the owner and architect are to the product that is described under Part 2, Products.
- A.** This is a true dilemma! You have to understand the architect cannot possibly know every aspect of every product specified. We feel it is important that the materials suppliers evaluate their products for compliance with the specifications. *****What am I saying? We are totally against** the materials suppliers evaluating their products for compliance with the specifications! This is a bigger problem than I thought! I simply don't have a definitive answer for this contractor. Maybe the answer is that these things happen and, since every situation is unique, the people evaluating them should do so with fairness being the objective. It is my policy to put in the specifications that, even though a manufacturer is listed as "equal," they must still meet the important criteria demanded by the situation and the owner's needs. When I list manufacturers as "approved," I am attempting to list manufacturers of known quality with quality products and services, but I simply do not have the time to learn each of the manufacturer's products, compare them by their performance based on their published data, and make specific product selections as "equal." In no way do I intend to relieve them from complying with the specifications requirements by listing them as "equal." By the way, I liked your column last month about the supplier that had trouble getting listed as "approved equal." (Continued on Page 7)

PROSPEC 94

Tomorrow's Products Seminars to Highlight ProSpec 94 CSI Trade Show AIA Conference

The Puget Sound Chapter of the Construction Specifications Institute will hold its seventh annual architectural/engineering product and services trade show, *ProSpec*, on August 4th. Held at the Washington State Convention and Trade Center in Seattle, this year's *ProSpec* date was chosen to coincide with the Northwest Region/Pacific Rim conference of the American Institute of Architects Seattle Chapter. The conference will celebrate the 100th anniversary of the AIA in Washington State.

ProSpec has expanded its exhibit space this year to accommodate the more than 180 manufacturers and service representative exhibitors. In addition to the product exhibition, *ProSpec* will offer a series of industry-related seminars.

The seminar choices include:

- Tomorrow's Products Today
- Building Codes—Changes & Updates
- Restoring, Renovating & Recycling Old Buildings
- Design Implications for the 21st Century
- Mysterious Construction Contract Documents
- Roofing Consultants: Do You Need One?

Shannon Linker, CDT, of ASC Pacific, is the Puget Sound Chapter CSI chair of *ProSpec 94*. Roger Williams is the chair of the conference for the Seattle Chapter AIA.

Information about exhibitor reservations and discounts available for *ProSpec 94* may be had from the CSI office at (206) 382-3393.

The AIA will also offer a series of seminars running concurrently with the trade show and CSI educational presentations. AIA conference information may be requested from the Seattle Chapter AIA (206) 448-4938.

(Continued from Page 6)

*** I was interviewing a very professional and experienced specifier for his response to this dilemma. He was genuinely surprised that he had said this. We got a good laugh out of it. It just shows you how confusing this business can be.

Q. What is the Bid Document Award?

A. CSI was established to help create a uniform and consistent way of presenting construction specifications. The Bid Document Award is a simple extension of that goal in that it recognizes the A/E firms that do the most consistent and thorough job of creating a set of bid documents. There are already design awards; this is an award of professionalism chosen by the people who have to use the bid documents every day.

Q. How do we submit a vote for a project?

A. The Bid Document Ballot lists all individuals who are eligible to vote for a project. Architects are only able to vote as a member of CSI or one of the other groups

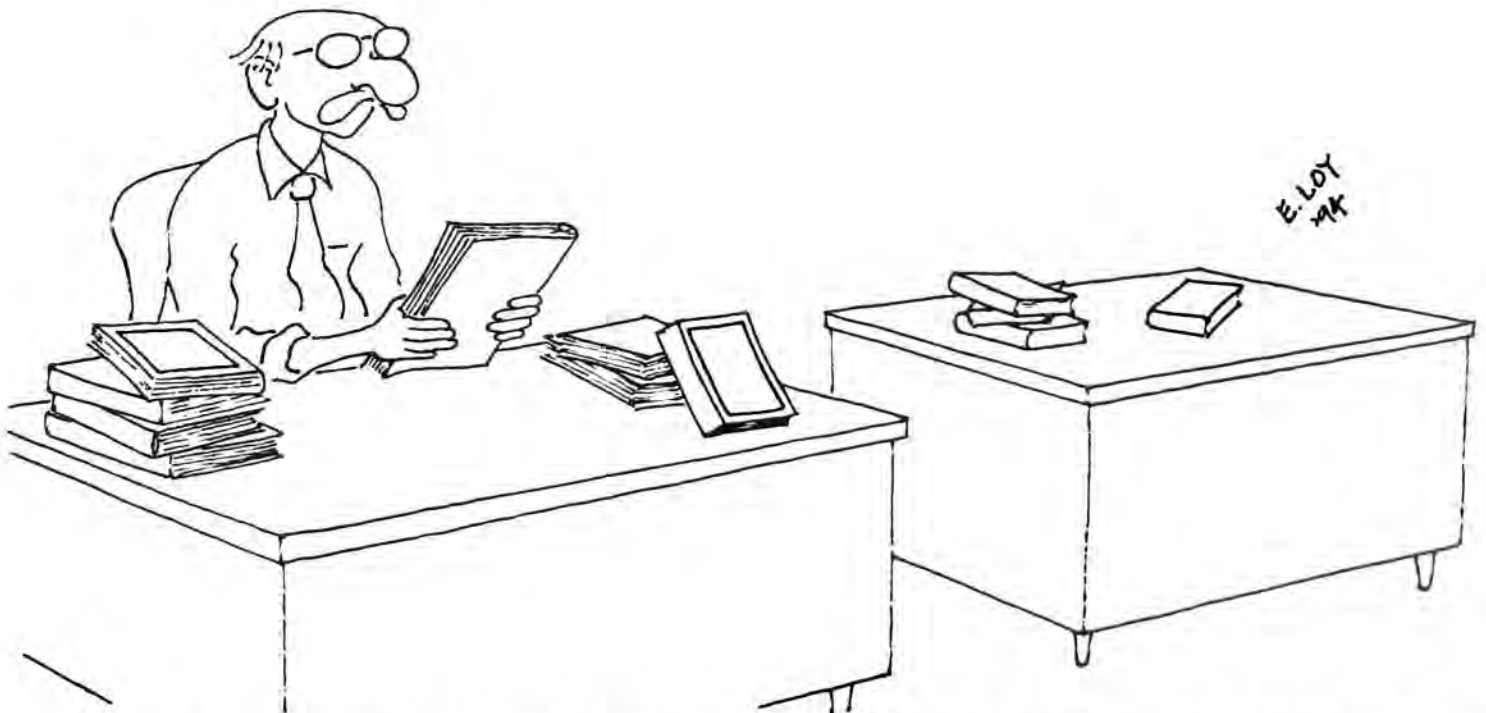
listed on the ballot. Any project that was completed (through construction) prior to April 30th, will be eligible to win an award in June. The ballot lists the six categories of awards for projects. Anyone eligible to vote may vote for one project in every category, although they need not vote for a project in *each* category.

Q. Are all projects eligible to receive votes?

A. Yes, as long as they are complete by April 30th. We will be listing all projects that receive votes and the number of votes they receive. That should give all of the A/E firms an opportunity to get numerical feedback on what the industry thought of the bid documents they prepared for all of the projects they had completed during the year. While only the top vote receivers will win an award, everyone has a chance to come away as a winner.

The Contractors Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax them to 682-2190.

BID DOCUMENTS AWARDS JUDGES TABLES



I FIND THIS SPECIFICATION TO BE REPLETE WITH ERUDITION, YET TOTALLY DEVOID OF SENTENTIOUSNESS, AND CHARACTERIZED BY PRESCIENCE TO THE POINT OF EXHIBITING A CHARMING HINT OF SANGFROID. THIS SPEC IS DYNAMITE, BABY!!

PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

March 1, 1994

The meeting was called to order by President John Lape at 12:06 p.m. at the AIA/CSI office. **Present:** Brown, Heiserman, Hymes, Kuykendall, Lape, Largent, Miller. **Absent:** Chew, Hirte, Murphy, Watson, Wilson. **Also Present:** Lee Kilbourn. **Discussion: Approval of Minutes:** Minutes of the February 1, 1994 Board of Directors meeting were approved with the following exception: delete from "Present" Hirte and Wilson. **Treasurer's Report:** 1. Current balances of the Chapter's funds in both the checking and savings accounts for the month of February were presented by the new Treasurer, Vicki Miller. 2. A request was made that all invoices should identify what they are for, who the check is to be made out to, and the Chapter reference number. 3. A new checking account has been set up with Bank of America. A credit card machine and account for processing charges at Chapter meetings has also been established at this bank. Account with West One Bank will continue until outstanding checks are processed.

Correspondence Reports: 1. A letter was presented from Institute Director Jim Chaney regarding CSI Speak-up. This will take place the Thursday afternoon before the National Convention in San Francisco. 2. John Lape received a letter from Institute Director Jim Chaney stating that the Institute's review of the Chapter's revised By-laws is nearly complete. Also, the Spec Guide produced by the Chapter on Radiation Shielding is to be published in May 1994. It will make reference to new rules from the National Council on Radiation Protection which is forthcoming. **Old Business:** 1. Performance Publishing, publishers of the Chapter's directory have received the latest revisions. The review took longer than anticipated and may have an impact on receiving the directory by the Products Fair. Additional advertisers were noted over last year. 2. The Nominations Committee has prepared a slate of candidates for the 1994-95 year. They are: Secretary—Skip Brown; Treasurer—Vicki Miller; Director Professional—Ivan McCormick; Industry—John Watson, Ed Fatz, Gunnar Forland. Ballots will be mailed first class to all members two weeks prior to the April Chapter meeting. 3. It was noted that a number of new members from the last orientation meeting have expressed interest in various committees. Chair persons for the committees have been notified. 4. The committee organizing the Golf Tournament, June 17 is continuing to secure sponsors. A status of their progress will be given at the Chapter meeting. **New Business:** 1. The April Chapter meeting date has been changed to the 19th. This is to coordinate with AIA as a joint meeting. This meeting date is two days prior to the Chapter's Products Fair. The Board was encouraged to invite AIA members to the Products Fair. 2. The Leadership Conference is scheduled for April 30-May 1 1994 in Tacoma Washington. Committee Chairs were encouraged to attend. A registration form was included in the Region Newsletter. The Chapter will pay for one nights lodging for a number of members.

Committee Reports: Nominations Chair, Dale Kuykendall.

Covered in Old Business. **Joint Code/Permit w/City of PDX Chair,** John Lape. Current topic is Fire Rated Glazing. **Planning Chair,** John Lape. Developing a schedule for next year. **Finance Chair,** Vicki Miller. Welcome. **Membership Chair,** Lee Kilbourn. Current membership is at 368. The Directory will show 395 for all members. Portland is the largest chapter in the region and one of the largest in the West. **Hospitality (subcommittee) Chair,** Jim Rother. Anticipating a good turn out for the April Meeting. How AIA members pay for this meeting is still unresolved. **Calling Group Chair,** Nash Hasan. Process is working well. It was agreed that faxes could be another way of notifying members of future meetings. **Library Chair,** Candance Robertson. The purchase of *Spec-Text* is still under an individual's name. John Lape has requested from Institute that Chapter be allowed to purchase this and has received no response. **Share Group Chair,** Marty Lundell. March meeting is ready. **Products Fair Chair,** PRSC/William Clark/Mike Beeson. 70 booths have been sold, with 30 remaining. The premium booths sold first. Coordination is running smoothly. **Certification Chair,** Skip Brown. 18 CDT and 2 CCS candidates have registered to take the exam. Additionally, 10 will audit the course. 30 people total. **Publication/Predicator Chair,** Inge Carstanjen. Discussed in Old Business.

Next Meeting Date: April 5, 1994 at noon.

The meeting was adjourned at 1:02 p.m.

Richard Heiserman, Secretary

PORTLAND CHAPTER ELECTS BOARD OF DIRECTORS Fiscal Year 1994-1995

The following candidates were elected to chapter office for fiscal year 1994-1995:

Secretary—D.R. "Skip" Brown, CCS
Treasurer—Vicki Miller, CSI
Professional Director—Ivan McCormick, CCS
Industry Directors—Ed Fatz, CDT & Gunnar Forland, CDT

Continuing into their second year of service:

President—John Lape, CCS
President Elect—Dale Kuykendall, CDT
Director-Prof—Larry Chew
Director-Ind—Pat Murphy
Director-Prof—Jim Wilson

It takes dedication to "stick your neck out" to serve in an association with membership as diverse as the Construction Specifications Institute! Please help them in any way you can. These folks deserve our total support.

The Editor

WHAT'S GOING ON?

May

- 10 Dinner Meeting—*Sealants: Waterproof & Structural Design*
- 11 Luncheon/Technical Seminar—*Elastomeric Sealant Design*

June

- 17 (Friday) *Portland Chapter CSI Golf Tournament* from 8:00 a.m. to finish, at Glendoveer Golf Course. Form a team for the Industry Division, Professional Division or the Open Division. You can also sponsor a hole and tee prizes! Half the sponsorship proceeds will go to Providence Child Center. Call now and join in the fun! Jim Rother 452-8550, Marty Lundell 682-2878 or Vicki Miller 226-3508.
- 17 *Portland Chapter CSI Awards Banquet* at McMenamins Edgefield Manor; 25 rooms are being held for serious partiers. Call 669-8610 to reserve your room. Identify CSI as your party.
- 24-26 *CSI National Convention* in San Francisco

August

- 4 *ProSpec '94 Exposition* with NW and Pacific Region AIA, in Seattle, Washington

Contact Jody Moore with any questions at (206) 574-3449, or (503) 248-6799.

Around the Region . . .
a calendar of meetings

- Cook Inlet, Anchorage, Alaska
Third Tuesday
Ken Maynard—(907) 276-4218
- Idaho, Boise
First Tuesday
Scott Henson—(208) 345-6677
- Mt. Rainier, Tacoma, Washington
Third Tuesday
Cheryl Rue—(206) 383-3084
- Portland, Oregon
Second Tuesday
Jody Moore—(206) 574-3449
- Puget Sound, Seattle, Washington
Second Thursday
Relta Gray—(206) 382-3393
- Capitol, Salem, Oregon
Third Thursday
Darwin Doss—(503) 327-6633
- Spokane, Washington
First Tuesday
Tom Crossan—(509) 327-6633
- Willamette Valley, Eugene, Oregon
Last Thursday
Paul Edlund—(503) 485-1941
- (The contacts given above are the program chairs or officers of the various chapters.)*



**CSI's 38th Annual
Convention and Exhibit**
June 24-26, 1994
Moscone South
San Francisco, California



Advancement
of Construction
Technology

Position Desired

Individual desires position as architect, project architect/engineer or construction manager.

Experience includes facilities maintenance; planning and design for Anchorage School District; contract administration of barrier-free renovations; and, most recently, Field Construction Specialist for Boeing of Portland. B.A. Architecture from University of Oregon; course work in Hazardous Waste Training, Construction Safety Hazard Training. Member AIA and CSI Portland Chapters.

Willing to relocate in Pacific Northwest. Please contact Keith Flynn at (503) 252-8039 for more information.

Portland Chapter Leaders—1993-1994

President	
John Lape CCS	243-2837
President-Elect	
Dale Kuykendall CDT	777-5531
1991-93 President	
Jim Hirte CDT	620-0106
Secretary	
Rick Heiserman	223-1181
Treasurer	
Vicki Miller	226-3508
Executive Director	
Margie Largent	620-6573

Board of Directors

D. R. Brown CCS, Prof. '94	224-6040
Larry Chew CCS, Prof. '95	226-1575
Corwin Hymes CDT, Ind. '94	647-5587
Pat Murphy, Ind '95	777-2204
John Watson, Prof. '94	721-4666
Jim Wilson CCS, Prof. '95	222-1917

Committee Leaders

Awards—Ed Fatz CDT	646-5593
Certification	
D. R. "Skip" Brown CCS	224-6040
Editor—Inge Carstanjen CDT	635-6227
Asst. Editor	
Gloria Rasmussen, CCS	636-5531
Education— Jim Wilson CCS	222-1917
Membership	
Lee Kilbourn FCSI, CCS	224-3860
Products Rep Share Group & Products Fair	
Wm. Clark, CDT	(206) 254-8486
Program—Jody Moore CCPR	284-6799
Technical—Paul Wilson CCS	242-0123
Bylaws—Ken Searl FCSI, CCS	(503) 362-3472

Institute Responsibilities

CCS Implementation Com.—Ad Hoc	
James Robertson FCSI, CCS	(503) 342-8077
Jury of Fellows	
Dave Thomas FCSI	(206) 337-8971
Technical	
Chris Bushnell CCS	(206) 357-9988
Education—Ron Eakin	(503) 686-3355

Region Responsibilities

Awards	
Linda Bowman CCS	(503) 485-7618
Education	
Jim Adkins CCS	(206) 633-3182
Membership	
Dick Kissick CCPR	(206) 383-9790
Publications	
Brad Williamson CCS	(206) 623-4646
Technical	
Ivan McCormick CCS	292-3958
Certification	
D. R. "Skip" Brown CCS	224-3860
Planning—Elliot Mohr	(509) 535-0683

Institute Directors**Northwest Region**

Jim Chaney, CDT	
McKenzie Commercial Cont. Inc.	
865 W. 2nd Ave.	
Eugene, OR 97402	343-7143
Sandi Velleca, CCS	
Arctic Slope Consulting Group	
301 Danner Ave., Suite 200	
Anchorage, AK 99518 (907) 349-5148	

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

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The Predicator

Advancement of
Construction Technology

Portland Chapter - The Construction Specifications Institute

Vol. 33 No. 10

June, 1994

Golf
Tournament
Glendoveer
Country Club
June 17, 1994
See Insert

Dinner Meeting
June 17, 1994
McMenamin's
Edgefield Manor
Cost—\$25
Register dinner
choice with reser-
vation, prime rib or
rockfish, call
(503) 223-8231
by June 13th.

Program
Short tour of
Edgefield Manor
before dinner.

Awards
Presentation
Bid Documents
Golf Scores
Annual Chapter
Awards

*You Are Invited to Attend
The Portland Chapter CSI Awards Banquet
at
McMenamin's Edgefield Manor
Ballroom, Main Lodge
Friday, June 17, 1994*

*Starting at 5:30 with a No Host Bar,
Serving Dinner at 6:30 and
Presenting the Program at 7:15*

R.s.v.p. 223-8231

Overture! Cut the lights! This is it—the night of nights! And, oh, what heights we'll hit...on with the show—THIS IS IT! (*Theme Song to "The Bugs Bunny Show"*)

As you make plans to attend this year's Awards Banquet, go ahead and hum the Merry Melody tune (or is it Loony Tune?). This year's event will be more fun than a Warner Brother's Cartoon. The cast will be assembled at the pastoral confines of McMenamin's Edgefield Manor. This beautiful manor is listed on the National Registry of Historic Places. It serves as a Bed & Breakfast, Winery, Brewery, and gathering place. (It also has a rascally Black Rabbit Restaurant & Bar.)

Amongst the traditional festivities, you will also find some additional reasons to celebrate. Golf Tournament awards will be presented by "Yosemite" Jim Rother. The proceeds from this year's golf tourney are dedicated to the Providence Child Care Center.

This chapter will regale those firms judged to have produced the best bid documents of the past year. Recently certified Document Technologists, Construction Specifiers and Construction Product Representatives will be roundly toasted. John "Bugs" Lape has arranged for an outstanding presentation of local jazz talent. Dennis Springer and Phil Baker, two of the most respected names in Jazz in the Northwest will be performing as a duo—both of them!

Please join the Portland Chapter CSI for this evening of music, drama, mirth and merriment. As Claude Raines said at the end of *Casablanca*, "Round up the usual suspects!" Of course, if you are an unusual suspect, you should feel right at home with our group, too.

If you are planning any extra mirth and/or merriment (or a little sightseeing), you may want to make overnight reservations now. Call 669-8610.

**MCMENAMIN'S EDGEFIELD MANOR
2126 SE Halsey, Troutdale**

(East on I-84 to Troutdale exit, south to Halsey Street, left to McMenamin's driveway.)

The President's Message

John Lape CCS, President

This month will be our last Chapter dinner meeting prior to the summer break. We will celebrate the end of our fiscal year with an awards banquet at Edgefield Manor. It should be a fun evening, with musical entertainment, lots of camaraderie and tall tales about golf. We will be honoring long-time members in the Chapter and recognizing those individuals who have made special contributions in the past year. As President, many of these awards have taken on a personal nature as I have had the opportunity to work closely with many people in our organization.

We will also be announcing the Bid Document Award winners, the Golf Tournament champions, and the winners of the Products Fair Booth Awards. Finally, we will be installing the new Board for 1994/1995.

This past year has been a significant one for the Chapter and me personally. As a Chapter, our membership is approaching 400. I can remember serving on Lee's Membership Committee in the late 80's and trying to press for that 300th Chapter member. Now a mere 5-6 years later we are on the verge of our 400th member. Sometimes those of us heavily involved in the Chapter's activities bemoan the fact that 90% of the work is done by 10% of the members. This is a common occurrence for any organization, especially a volunteer one. Perhaps, however, we ought to look at the positive side of this. We must be offering something to have this strong a membership. One need only look at the attendance at our Chapter meetings for further evidence of this.

Certainly the regular corps will be in attendance each month regardless of topic but as I look out over the tables during my introductory remarks, I see about 30% of the attendees are different faces. These faces represent persons that have come to a specific meeting to learn about that evening's topic or are the invited guests of regular attendees. The diversity of our interests, programs and membership all work to provide a wide palette of information.

The Chapter has had several other special achievements this past year: the Contractors Share Group is once again active and contributing thought provoking articles to *The Predicator*. The Group also put on a very entertaining and informative meeting on bid day. The Products Rep Share Group is now in its second year of activity, boasts a strong committee and has hosted the Products Fair. We have also participated in several ways to increase awareness of CSI beyond our membership. Last fall, we participated in and were a major contributor to Architecture Week. This provided some exposure not only to the construction industry but also our community. We held a joint meeting in April with the AIA, and SMACNA was a cosponsor of our May meeting.

We have participated in two industry wide social get

togethers as well as the AIA/CSI Golf Tournament. Several of our members serve on the Joint Code/Permit Committee, working with the City of Portland.

On the individual side, Lee Kilbourn has joined the extremely rare ranks of the "Double Fellows," attaining fellowship in both CSI and AIA. Active CSI member, John Baker is President-elect of the Portland Chapter of AIA.

I have even heard a rumor that the Technical Committee's work on the radiation shielding Spec Guide will be published shortly!

The year for me personally has also been a rewarding one. It has been a pleasure to work with the many dedicated Chapter members and to get to know many of them personally. My small architectural firm is busy with active jobs in 4 states. I have gone from 1 employee a year ago to 3 full time and 3 part time employees now! I gained custody of my 6 year old last year and, this spring, married my wonderful companion, Laura.

As President of the Portland Chapter of CSI, it has been a rewarding and fun year. My thanks to all members for your support.

I look forward to another year of Chapter growth and increasing our presence in the construction community.

CERTIFICATION EXAM RESULTS

We congratulate the following people who successfully passed the certification exams held in April!

Donna Armstrong, CDT (Construction Data/FW Dodge)
 Robert Dooley, CDT (Huls Amerion Inc.)
 Darwin Doss, CDT (Settecase, Smith, Doss Architects)
 Phyllis Fritzie, CDT (First Place, Inc.)
 Wayne Hatley, CDT (John Latta Associates)
 Laura Heller, CDT (Alameda Design-Remodel)
 Martin Lundell, CDT (Unistrut Portland)
 Lisa Symonds, CDT (US Bancorp, T-3)
 Michael Watson, CDT (Pacific Architectural Products)
 Matthew Winkler, CDT (Todd Construction, Inc.)
 Corey Jay Yraguen, CDT (Pacific States Galvanizing)
 Tim Cockburn, CCPR (Interior Technology)
 Edward Fatz, CCPR (Oregon Strand Board Co.)

SHORT TAKE

If in the last few years, you haven't discarded a major opinion or acquired a new one, check your pulse. You may be dead.

*Gelett Burgess, quoted in
 Communication Briefings, Vol. XII, No. 1*

BS BY KS

Basic Specs by Ken Searl

I recently received a copy of AGC's first issue of the *Oregon-Columbia Contractor*. As a first issue, it is well done and has good articles and information within. If you get a chance to read this publication, I suggest you do so.

Why do many of you folks out there place a comma directly after the name of the city when using the two-digit USPO state designation? A comma is not needed and the USPO doesn't require or use that rascally comma. Now I suppose you are going to tell me, "We have always done it that way" or "Who cares?" If you would like a copy of the two-digit state letters in large type, let me know and I will send you one. Also, you can have a two-page Metric Tables, Section 01095.

The above is an example of what happens when we don't keep up with the times. This example may not be too important but what I am leading up to is specifications and other written contract documents. Specifiers should and must keep specifications up to date as much as possible. This can be very important. We all know that is easier said than done. It takes a lot of investigation, reading trade magazines and journals, checking on installed projects, following up on CSI activities and, last but not least, getting acquainted with your local and regional factory reps. Most of these people are good folks who will help you all they can. Naturally they lean towards a certain product or system but most of them are honest. I have a great respect for a good factory rep. Over the years they have helped me very much. Another thing that is most helpful in keeping your specifications up to date is to send some of your prepared or master specifications to these people and ask them for written suggestions and comments. I suggest you also send them to selected local contractors and subcontractors as may be appropriate.

I recently attended the CSI's Northwest Region Leadership Conference in Tacoma, Washington. Of the many items discussed, one really caught my attention: Seth Jackson FCSI of the Puget Sound CSI Chapter introduced a "Pacific Northwest Guide Specification Pool" prepared by the Puget Sound CSI Chapter. At the present time they have over 40 spec sections available for a small fee. Seth stated they would be glad to receive prepared guide specs from specifiers throughout the Northwest Region to be considered for including in their guide list. I am going to send them a couple of guide or master specs. If any of you are interested in either sending in some sample specs or obtaining one from them, write to the following address for information: Puget Sound Chapter, CSI Office, 603 Stewart Street #610, Seattle WA 98101 or call 206-382-3383. Each guide includes Cover Page, Notes to Specifier and Specification Section, in three-part CSI Format.

One last item: if any of you haven't been to a Leadership Conference, please consider going to the next one. These meetings are very informational and include a CSI Northwest Region Coordinating Council Meeting.

From the Editor

About this time of year I "play in the dirt"...a lot. If my garden isn't planted and well on the way by Memorial Day, I'm sad. About eight years ago, I planted seed potatoes, and since that time I have had "volunteers"...loads of volunteers! I can't bear to destroy them, or ignore them, so I transplant them in an orderly fashion, and water and feed them. I may never have to plant potatoes again—that is, if I like potatoes! (I do.)

CSI is a lot like my garden—it runs on volunteers who flourish with tender loving care. THE idea, I found is to encourage everyone to participate and experience the satisfaction of being part of our Portland Chapter "garden."

This month, we recognize the volunteers of the Portland Chapter at our annual Awards Night Dinner, and I would like to especially recognize these individuals who are The Predicator Staff!

Ed Loy, a faithful contributor with his WILD AND CRAZY cartoons; new member Marty Lundell, "front person" for the Q & A Column; Gunnar Forland, for chasing down the advertising insert business; Jody Moore, ever desperate for time for front page program material, comes thru with the help of Jim Rother; Ken Searl can't seem to stop his BS'ing; Lee Kilbourn, besides a slew of other volunteer positions, keeps the mailing list current; Rick Heiserman, producing the Board Minutes on time every month; and John Lape, thank you for your timely and on-time President's Message; Gloria Rasmussen, Editor FY '94-'95 contributed several articles and commentaries; Margie Largent, Historian, also contributed support material for many articles. Last and certainly not the least, Gayle Vrla, as paid staff, has been responsible for formatting and typesetting, as well as mailing, The Predicator. Kinko's on Alder Street prints the newsletter each month.

Thanks to all of you!

Friends, this is my garden...these are my volunteers...and they're NOT SMALL POTATOES! Now I shall step aside and turn the editorship over to Gloria Rasmussen.

Good luck Gloria!



PRODUCTS FAIR 1994

A COMMENTARY on the April 19th Dinner Meeting Program "Effective Construction Contract Administration"

I appreciated Mr. Mueller's comments suggesting that many owners, contractors, suppliers, architects and engineers do not understand the interrelated role that each plays in a project.

In the past, the Master Architect played the role of the *design and construction orchestrator*, but those days have changed. Contractors and owners now have architects, engineers, and construction administrators on staff. The demands of each professional's time are more stringent than at any time in our past.

I work for an owner as a field construction engineer and am familiar with some of the pitfalls of the construction administrator, as Jim discussed. I reflected on the aspects of how many company professional staff do not comprehend the differing roles of the owner, architect/engineer, and contractor. I can understand why it is hard for design professionals and contractors to recognize that the owner's team members want to be more proactive in all phases of the project. Most owners want assurances from their in-house staff that all participants have the owner's best interest foremost in their minds, and that the partnering goals are truly being adhered to. In the owner's organization, careers are made or broken by the outcome of a major project.

I have found a few of the following terms involved in arbitration, mediation and litigation noteworthy in case of need: *burden of proof, total cost claims, modified total cost claims, the measured mile, Eichleay Factor, none office overhead versus actual field overhead/fixed overhead*—to name only a few.

Jim outlined the design-build environment. For the past two years, I have been involved in a major design-build project which has had its moments of misunderstanding and heightened tensions. I concur with Jim that the mission statement of the project is absolutely paramount to a successful commencement and completion of the construction project.

Recent Design-Build Request for Proposals typically are divided into an Architect/Engineer (professional services) phase and the Construction phase (builder/contractor). In Jim's presentation, he mentioned the Architect/Engineer Scope of Services for the design phase involves the design of the overall scheme, design/performance criteria, owner environment, and outlay/schematic design. I have another type to add: the contractor provides the Architectural/Engineering Services phase and Construction phase, where the owner may have significant involvement; or has no say so in the process at all (the contractor delivers the completed project to the owner). I like the typical design-build contract, which allows for errors and omissions to be considered in the contingency, or setting aside project specific insurance to cover any omissions on

any party's part.

Jim closed with the Mission Statement. I cannot express how critical this step in the design-build process is. On the project mentioned earlier, the owner and its professional staff didn't clarify its needs and passed to the contractor the responsibility to write a performance specification, instead of determining the true design parameters of the owner's needs. This "passing on" of the clarification of the owner's needs has caused many lengthy and heated discussions vis a vis performance versus needs-for-use.

Large corporations use performance specifications in ordering equipment. This use of performance specifications will work for construction when all aspects of the design-build are completed by the same contractor. When more than one contractor/manufacturing contractor is involved in the project, performance problems can arise unless all parties adhere to the mission statement, and understand each other's roles in the project process.

I would like to thank Jim Mueller again for giving us an insider's view of the *Effective Construction Contract Administration*. (Opinions expressed are the writer's.)

Keith S. Flynn, CSI

Your Ideas Are Needed ...

... at the Speak-Up Meeting prior to CSI's 1994 Convention and Exhibit in San Francisco, CA, June 23, 1:00 - 4:00 p.m. All members are invited to brainstorm ideas and activities that will be used to determine CSI's future. For more information, call CSI at (800) 689-2900.



Tom Crawford, Speaker
May 10th Dinner Meeting
Joint Meeting with SMACNA

PRODUCTS FAIR 1994

I would like to thank the Products/Rep Share Group for putting on the 1994 Fair. Your work was evident in a well-run event. The quality of the booths was above anything that I have seen at the Fair in recent memory.

I found this year's Fair to be extremely beneficial to me and my business. In some ways, the Fair is an opportunity to press some flesh and renew some acquaintances. It is also a chance for a reminder of who has what and an opportunity to see who supports the Industry and those that choose to stay away.

In addition to the above, I had fun judging the booths and then spent an additional 6 hours visiting many of the booths. Below are some of the specific items that I gained from this year's Fair.

I visited the only door lock manufacturer represented and was reminded of one of their unique features. This will certainly be helpful in the adverse climate conditions of one of the projects I am working on.

I saw Les and received some information on designing and specifying a trench drain system. The people in his booth were able to respond to specific slope criteria and what products can be modified.

I discussed a deck coating manufacturer's warranty concerns over a wood substrate. Joe and Ed were helpful in pointing out warranty limitations and suggesting solutions to the installation. I wish they had had time to follow-up with several of the paint manufacturer's represented.

I was introduced to a new fence product and a sculptured railing system that I probably won't utilize in the near future, but it is nice to be aware of the existence of the products.

I spoke to several of the sheet metal roofing manufacturers, gathering information for a specification that I need to write shortly. I also spoke to several of the membrane representatives asking for assistance on a peculiar application that I am encountering.

I spoke with several of the paint manufacturers in attendance and was exposed to several new products, including paint applied wall covering.

My tour also took me past several of the coatings people to see my old friends Dick and Cecil. I respect their advice on the applications that I asked them about.

I talked to Don and his gang about an accordion partition for one of my projects. I was also shown a video of their new vertical folding partition.

I received some very specific door hardware information from Hal. I had some specific application questions and he was able to provide me with the exact answers I needed, down to model numbers.

I talked with several people about substitution requests for a project that I have out to bid. The Fair provided a great opportunity to not only review the literature but also the actual products proposed for substitutions.

Some of the sheet flooring representatives apprised me of products that were rated at 700 psi. They also advised me of a situation where they did not have a product to meet my job's needs but gave me advice on other manufacturers that might have a suitable product. Believe me, I respect greatly a rep like that, who will deal with me straight up.

I talked with several of the rolling door representatives and was offered assistance on some of the projects I am working on. I learned that what used to be considered a custom installation where the motor was mounted between the guides is now a standard feature.

I discussed an automatic door entry system with another representative. That discussion has already led me to change the specification for an upcoming project and the detail is currently being drawn using this company's literature.

I learned that two of the leading wood connector manufacturers are being consolidated into one company. In this particular instance, I'm not sure this is good news, but I did find out that the distribution schedule will keep the product that I prefer available on the west coast.

I had the representative from a wood stain company approach me and discuss flying up from California and giving our Chapter an educational seminar on VOC and EPA regulations.

I stopped at one of the Plan Center's booths and thanked them for their support of the Fair. We discussed the possibility of holding a golf tournament together next year and decided to continue the discussion after this year's event.

As I have shown, I found this year's Fair to be extremely helpful to me. I support the Fair and think it is a great opportunity to gain knowledge. I gave all of my non-clerical staff the afternoon off to attend the Fair and learn from the informed people there. To those of you to whose booths I only paid a social call, recognize that I feel that I know you or your company or your product well enough to know where I can get the information when I need it.

All that, plus I got to run around in a silly hat from my friend Kevin!

John Lape

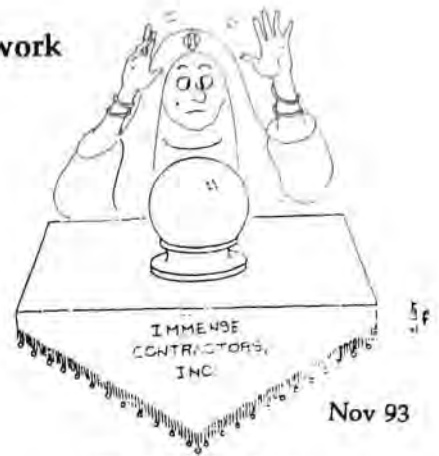
THE REAL WORLD, by Ed Loy, Lemons Millwork



Sept 93



Oct 93



Nov 93

WHILE ANALYZING THE SPREADSHEET FOR THE MAMMOTH GENERAL HOSPITAL BID, THE CHIEF ESTIMATOR IS SHAKEN BY AN ETHICAL DILEMMA.



Mar 94

WHAT!!! YOU'RE BIDDING FLOOR MATS, RESILIENT BASE, PAPER TOWEL DISPENSERS AND DRYWALL SCREWS... FROM A PHONE BOOTH IN GLADSTONE!!!



Feb 94

PUTTING PRESSURE ON THE WAYWARD SUBCONTRACTOR.



Apr 94

LOOK, I REGRET ALL THESE PROBLEMS AS MUCH AS YOU DO, WERNER, BUT WE TOOK THIS PROJECT FOR OUR NO-FRILLS FEE WHICH DOESN'T INCLUDE ACTUAL JOBSITE VISITS BY THE ARCHITECT.



Jun 93

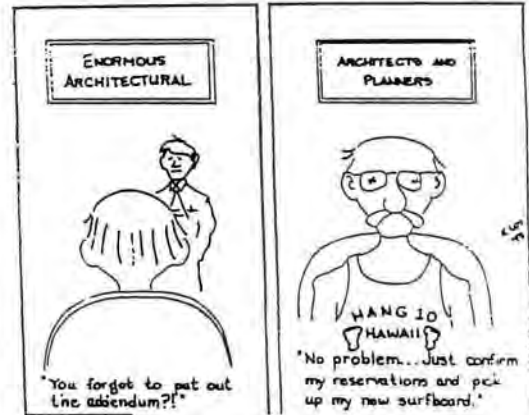
AWWW SHUCKS

BID DOCUMENTS AWARDS JUDGES TABLES

May 94



I FIND THIS SPECIFICATION TO BE REPLETE WITH ERUPTION, YET TOTALLY DEVOID OF SENTENTIALNESS, AND CHARACTERIZED BY PRESCIENCE TO THE POINT OF EXHIBITING A CHARMING HINT OF SANGFROID. THIS SPEC IS DYNAMITE BABY!!

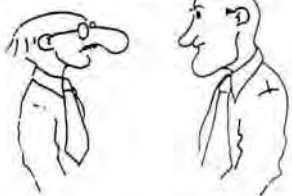


Dec 93

"You forgot to put out the abdicendum?!"

"WANG IO HAWAII!"
"No problem... Just confirm my reservations and pick up my new surfboard."

ENORMOUS ARCHITECTURAL



Jan 94

Then we agree? As long as a product appears to represent a cost savings to you and isn't manufactured by extraterrestrials, we'll accept it.



"IT FINALLY HAPPENED... THE 399 BBS TOASTED OUR FAX MACHINE."

Apr 93



"MY JOB HERE AT AIA HEADQUARTERS IS CONVERTING THE GENERAL CONDITIONS TO METRIC."

Mar 93

CONTRACTORS SHARE GROUP Q & A COLUMN

This month we look at interesting language in a certain project's Supplementary General Conditions.

Q. *In the supplementary General Conditions of a recent project, we found the following language. I would like to hear some thoughts from other people—contractors, architects—on this.*

"CONTRACTOR'S RESPONSIBILITY FOR ADDITIONAL ARCHITECTURAL FEES. Add the following as Article 12.8. If more than two submittals are required for any shop drawing or other submittal, the contractor shall be liable for any Architect's fees incurred as a result of such submittals. If the Work is not complete after submittal of the Contractor's written notice pursuant to Paragraph 9.8.2 and 9.10.1 the Contractor shall be liable for any additional Architect's fees incurred for any inspection following the initial inspection after receipt of such notice. If the Contractor defaults and causes the Architect to provide additional services, the Contractor shall be responsible for same. If the Contractor submits an extensive number of field questions (RFIs) which are determined to be the result of non-proactive or incomplete coordination by the Contractor or are otherwise insubstantial or frivolous, the Contractor shall be responsible for any additional Architect's fee for any such information requests. If the Contractor submits an extensive number of claims, and the majority of such are rejected, the Contractor shall be responsible for any additional Architect's fee for any such rejected claims."
(Submitted by a General Contractor)

A. We hate to see this kind of language in specs, yet we recognize that architects don't get enough fees to do this kind of work. There is a Catch 22 here. If the architect includes enough fee to design carefully enough to minimize DCVRs, then he won't get the design project. If he gets the project (by his low bid fee), chances are there will be many questions and the architect will spend more than his fee administering the project. Of course, the contractor should be careful when writing DCVRs/RFIs, but if he has to decide whether he might cost his company money for fees, he may press on ahead blindly. This ultimately could cost the project much more than the fees.
(Submitted by a General Contractor)

A. We have used this kind of language in order to cut down on excessive use of DCVRs/RFIs. In general, most contractors do not give us a problem. Our firm prides itself on professionalism. No matter how much money is available to administer these issues, there is always the problem contractor that seems to take advantage and uses this money up in an apparent attempt to simply wring more money from the project. I feel sorry for the conscientious contractor; and, believe me, it is never intended to be a burden on him but this seems to us to be the only way of controlling this activity.

The Contractors Share Group appreciates all suggestions and responses. We encourage your suggestions and feedback. Please submit them to Marty Lundell at 682-2878 or fax them to 682-2190.

THE REAL WORLD, by Ed Loy

Ed Loy is a participating member of the CSI Contractor Share Group. Most of us know and appreciate him for his humorous cartoon art in *The Predicator*. A member since 1986, he says, "CSI provides the best forum I know of for learning about construction documents and technology and for sharing ideas."

Ed has been in sales and marketing for Lemons Millwork since 1985 and an employee of Lemons since 1970. While interviewing one of Ed's fellow workers, I learned that other Lemons employees refer to him as the "Casework Dictionary." He is very conscious about knowing anything and everything to do with his industry, from hardware to laminate specs.

Ed graduated from the University of Oregon in 1963 and says he bleeds the school colors each football season. He lives in Albany with his wife Susan and three sons: Nick, Greg and Tyler.

Ed enjoys tennis and, being very competitive, plays in four or five tournaments each year. He also enjoys jogging, landscaping, gardening and US Civil War history.

If you have a question on casework, give Ed Loy a call or, if you're in Albany, stop by and just say "Hi." He's enjoyable company.



**Janeese Jackson & her guest,
her lovely daughter, Chelsea**

PORTLAND CHAPTER CSI BOARD OF DIRECTORS MINUTES OF MEETING

April 1, 1994

The meeting was called to order by President John Lape at 12:04 p.m. at the AIA/CSI office. **Present:** Brown, Chew, Heiserman, Hirte, Hymes, Kuykendall, Lape, Largent, Murphy, Watson. **Absent:** Miller, Wilson. **Also Present:** Lee Kilbourn.

Discussion: Approval of Minutes: Minutes of the March 1, 1994 Board of Directors meeting were approved with the following exceptions: 1. Delete from Present, Murphy. 2. 4.1.a. Revise Performance Contracting to Performance Publishing. Revise latest editions to latest revisions. Revise These... to The....3. 5.1.2 Certification revise exam to course. **Treasurer's Report:** 1. An updated Chapter Budget dated 4-01-94 was presented by John Lape. 2. All checks have cleared West One Bank account. This account will be closed soon. Chapter checks are being written on the new Bank of America account. 3. The Chapter has not received the credit card machine for processing credit cards at Chapter Meetings from Bank of America. It is anticipated to be available by the April Meeting.

Correspondence Reports: 1. Copies of the revised Chapter By-Laws, approved by the Institute 3/08/94 have been mailed to all Chapter members for review. A vote for ratification of the revised By-Laws will occur at the April Chapter Meeting. A motion was made by Rick Heiserman and seconded by John Watson to approve the revised By-Laws. Motion passed. 2. A letter from Dick Gira requesting the Chapter give consideration to the cost of attending the Chapter Meetings for retired members was discussed. Action on this issue was postponed until the Chapter's ability to process credit cards is complete and we can better track meeting costs. It was felt that this will be available next month. Copies of the letter were distributed to the Board.

Old Business: 1. The April Chapter Meeting will be held in conjunction with AIA. This meeting has been approved for seven learning units or credits as part of the professional development with AIA membership. Learning units or credits will be required in the future to maintain membership in the AIA. Portland Chapter CSI meetings may qualify for learning units based on the content of the meeting. The number of people that might be in attendance is not certain. Information about the Chapter's Products Fair will be available. There will not be a seminar following the Meeting. 2. The June Golf Tournament planning is nearly complete. It is expected that there will be two sponsors per hole. Processing of income and expenses for the Tournament are independent of the Chapter funds. 3. The Chapter Directory is currently being printed and it is not certain if it will be available for distribution at the Products Fair. Performance Publishing has proposed to do the distribution for the Directory for a fee of about \$900. This fee will include labeling and postage to all members within the Chapter plus key members of other related associations. A motion was made by Jim Hirte and seconded by Dale Kuykendall to have Performance Publishing distribute the Directory. Motion

passed. 4. Twenty booths are still available at the Products Fair as of this date. This represents about \$10,000-\$11,000 dollars in revenue to the Chapter. It was suggested that organizations which have been in previous Fairs be contacted by the Product Reps Share Group. Office Max will donate three computers for use at the Fair.

New Business: 1. A motion was made by John Lape and seconded by John Watson to revise the membership status of Mel Brownawell to Retired. Motion passed. 2. The Leadership Conference is scheduled for April 30-May 1 1994 in Tacoma Washington. John Lape will have a van available for those who wish to ride up on Friday April 29. **Committee Reports: Membership Chair,** Lee Kilbourn. Current membership is at 383. **Products Fair Chair,** PRSG/William Clark/Mike Beeson. Covered in Old Business. **Certification Chair,** Skip Brown. Twenty CDT, two CCPR and one CCS candidates sat for the exam this year.

Next Meeting Date: May 3, 1994 at noon.

The meeting was adjourned at 1:03 p.m.

Richard Heiserman, Secretary

THE PASSING YEARS HAVE THEIR BENEFITS!

The Membership Committee reminds everyone that, after being in the Institute for 15 consecutive years and after reaching the age of seventy years, a member is eligible for the status of *Member Emeritus*. There are no annual dues for emeritus members.

Members who are no longer involved in income-producing activities, who have reached the age of 65 years, and have been a member of Portland Chapter CSI for the past five consecutive years are eligible for the status of *Retired Member*.

Lee Kilbourn can help you with the paperwork. He may be reached at 224-3860.



**May 10th Dinner Meeting
Dale Kuykendall & Thomas
Kuhns**

WHAT'S GOING ON?

June

17 (Friday) *Portland Chapter CSI Golf Tournament* from 8:00 a.m. to finish, at Glendoveer Golf Course. Jim Rother 452-8550, Marty Lundell 682-2878 or Vicki Miller 226-3508.

17 *Portland Chapter CSI Awards Banquet* at McMenamins Edgefield Manor; 25 rooms are being held for serious partiers. Call 669-8610 to reserve your room. Identify CSI as your party.

24-26 *CSI National Convention* in San Francisco

August

4 *ProSpec '94 Exposition* with NW and Pacific Region AIA, in Seattle, Washington

September

8-10 *1994 CSI Northwest Region Conference*
Newport, Oregon

Contact Jody Moore with any questions at (206) 574-3449, or (503) 248-6799.

Around the Region. . . a calendar of meetings

Cook Inlet, Anchorage, Alaska
Third Tuesday

Ken Maynard—(907) 276-4218

Idaho, Boise

First Tuesday

Scott Henson—(208) 345-6677

Mt. Rainier, Tacoma, Washington

Third Tuesday

Cheryl Rue—(206) 383-3084

Portland, Oregon

Second Tuesday

Jody Moore—(206) 574-3449

Puget Sound, Seattle, Washington

Second Thursday

Relta Gray—(206) 382-3393

Capitol, Salem, Oregon

Third Thursday

Darwin Doss—(503) 327-6633

Spokane, Washington

First Tuesday

Tom Crossan—(509) 327-6633

Willamette Valley, Eugene, Oregon

Last Thursday

Paul Edlund—(503) 485-1941

(The contacts given above are the program chairs or officers of the various chapters.)



**CSI's 38th Annual
Convention and
Exhibit**

June 24-26, 1994
Moscone South
San Francisco,
California



Advancement
of Construction
Technology

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 President-Elect
 Dale Kuykendall CDT 777-5531
 1991-93 President
 Jim Hirte CDT 620-0106
 Secretary
 Rick Heiserman 223-1181
 Treasurer
 Vicki Miller 226-3508
 Executive Director
 Margie Largent 620-6573

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 Larry Chew CCS, Prof. '95 226-1575
 Corwin Hymes CDT, Ind. '94 647-5587
 Pat Murphy, Ind '95 777-2204
 John Watson, Prof. '94 721-4666
 Jim Wilson CCS, Prof. '95 222-1917

Committee Leaders
 Awards—Ed Fatz CDT 646-5593
 Certification
 D. R. "Skip" Brown CCS 224-6040
 Editor—Inge Carstanjen CDT 635-6227
 Asst. Editor
 Gloria Rasmussen, CCS 636-5531
 Education— Jim Wilson CCS 222-1917
 Membership
 Lee Kilbourn FCSI, CCS 224-3860
 Products Rep Share Group
 & Products Fair
 Wm. Clark, CDT (206) 254-8486
 Program—Jody Moore CCPR 284-6799
 Technical—Paul Wilson CCS 242-0123
 Bylaws—Ken Searl FCSI, CCS
 (503) 362-3472

Institute Responsibilities
 CCS Implementation Com.—Ad Hoc
 James Robertson FCSI, CCS
 (503) 342-8077
 Jury of Fellows
 Dave Thomas FCSI (206) 337-8971
 Technical
 Chris Bushnell CCS (206) 357-9988
 Education—Ron Eakin (503) 686-3355

Region Responsibilities
 Awards
 Linda Bowman CCS (503) 485-7618
 Education
 Jim Adkins CCS (206) 633-3182
 Membership
 Dick Kissick CCPR (206) 383-9790
 Publications
 Brad Williamson CCS(206) 623-4646
 Technical
 Ivan McCormick CCS 292-3958
 Certification
 D. R. "Skip" Brown CCS 224-3860
 Planning—Elliot Mohr (509) 535-0683

**Institute Directors
 Northwest Region**
 Jim Chaney, CDT
 McKenzie Commercial Cont. Inc.
 865 W. 2nd Ave.
 Eugene, OR 97402 343-7143
 Sandi Velleca, CCS
 Arctic Slope Consulting Group
 301 Danner Ave., Suite 200
 Anchorage, AK 99518 (907) 349-5148

Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$30, total investment \$160. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 315 SW 4th Avenue, Portland, OR 97204.

The Predicator

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