

THE PREDICATOR



VOL. 23 NO. 1

CONSTRUCTION SPECIFICATIONS INSTITUTE
1125 SE MADISON, RM 200 PORTLAND, OR 97214 238-1462

SEPT. 1983

President's Corner by Dick Gira



I would like to share with you some of the happenings that have taken place during the summer months.

In June, we lost our office space along with Janet Styner, who devoted much time and effort in our behalf in the production of "The Predator". Additionally, she performed various other duties for the Chapter including clerical, secretarial and financial records work. We will miss her efficiency and dedication on one hand, but on the other - we, as a Chapter, should strive to do our work on a more voluntary or elected level and to not place so much responsibility on any one person in the future.

The Chapter also wishes to thank Les Seeley for the use of his facilities the last couple of years. It was very generous of him to allow the chapter office to be located at his place of business.

In July your officers and Board of Directors met on an emergency basis in an attempt to solve some of the problems mentioned above. (minutes column)

Also in July, but at still another meeting, the Board voted to relocate the Chapter office to the Builder's Exchange facilities and to enter into an agreement whereby the

(please turn to page 2)

Chapter Meeting Minutes

DATE: Tuesday, Sept. 13, 1983
TIME: 5:30 Social
6:30 Dinner
7:30 Meeting
COST: \$9.00 per person
PLACE: Portland Motor Hotel,
1414 S. W. 6th, Portland, Or.
RSVP: CSI Office - 238-1462
SUBJECT: LAMINATED GLASS

Steve Nelson of Pan Lam Co., Seattle, Wa. Use of laminated glass in sloped applications; satisfying building code; plus advantages (insulating, acoustic), film strip showing glass breakage under impact - all types of glass.

Tabletop Display

Our program this month will be on Laminated Glass. Any member of CSI interested in displaying products associated with the above topic can contact Gary Zagelow at 655-7166.

Coming Attractions

Oct. - Wish Night, Jim Griffith/Paul Edlund and others
Nov. - Remodeling - Renovation
Dec. - Christmas party - surprise program
Jan. - Producer's Council (CPMC)
Feb. - Architect's Mistakes
Mar. - Response to Wish Night
Apr. - CSI Products Fair - AIA/CSI Joint Meeting
May - Bid Night (Contractors)
June - Fun Night

Board of Directors Minutes

SPECIAL BOARD MEETING:
7-26-83 at Gira's Home, 8:00 p.m.

PRESENT: Ivan McCormick, Lee Kilbourn, Margie Largent, Hunt Jones, Cristal Arnold, Dennet Latham, Janet Styner, Dan Eggleston, Larry Arnold, Stan Nelson, Greg Ross, Karen Akeson, Ed Charles, John Madrosen, John Barker, Dennis Destefano, Sarah Lewontin, and Inga Vrla.
Minutes of Board Meeting of 7/19/83 accepted as read by Hunt Jones.

AGENDA: New CSI office facility; new editorship and program for The Predator; new budget; committee reports.

Half hour discussion on relative merits of using the offices of the Builder's Exchange versus Ed Charles' Offices for CSI resulted in the motion to move to the Builder's Exchange, seconded by John Barker. Vote in favor was unanimous.

Margie Largent to be editor of The Predator. Discussion as to how the newsletter would be printed, typed, paste-up, etc. Dennis Destefano moved to allow \$120/month for Perky Kilurn to use her word processing equipment, along with the services of her friend to do paste-up. Motion was seconded and the vote unanimous.

Year-end treasurer's report was then discussed along with the proposed budget for the coming year. Estimated budget was revised to reflect changes in the estimated cost of the Products Fair. Total proposed income and expenses \$37,775.00 amended from \$41,775.00. Ed Charles will handle bookkeeping, and Builder's Exchange to take care of incidental clerical.

John Barker made motion to adopt amended treasurer's report, seconded by Hunt Jones. Vote was unanimous.

John Madrosen discussed the possibilities of having the Products Fair at the Lloyd Center Red Lion next April. He will have further details at later date. Group was favorably disposed.

Dennet Latham discussed upcoming CSI programs, including a Sept. tour.

Leadership Conference to be held in Seattle, Aug. 12-13. Partial rebate available to members who attend.

President's Corner by Dick Gira

(continued from page 1)

Builder's Exchange would answer our phone (a private line) and to be available for secretary work occasionally. During this meeting the budget for the year was adopted and arrangements to produce "The Predictor" were adopted. Thanks go to Betty Sherman and Karen Akeson for researching the various office possibilities. (minutes column)

At still another meeting in June, a "Past Presidents" committee was organized. These fine and dedicated people have agreed to conduct an "orientation" program for all of our officers and committee leaders.

During the last week in July, through the kindness and muscle of Larry Arnold and Don Eggleston (who supplied us with some manpower), all the records, supplies and furniture was moved into our new office space.

Another problem the Chapter encountered during the summer was the loss of our monthly chapter meeting site. Osbeck's Restaurant suddenly closed. Hunt Jones and his hospitality group have had to search for another site.

John Madrosen and his Product Fair committee have put in considerable time and effort coordinating the move to another site.

Dennet Latham has been working like a beaver (or duck) on the programs for the year.

Margie Larent, Inga Vrla, Lee Dietz and Lee Kilbourn have worked hard to publish "The Predictor" in a pleasing and economical manner.

Stan Carper and his Education committee have arrangements for a group of architectural technology students from Mt. Hood C.C. to attend a number of educational seminars prior to our Chapter meetings this year.

So you see -- quite a few people have been involved in our chapter (and others that I have not mentioned) activities and planning -- all of this work designed to be attractive, interesting and beneficial to us all!

Support their good works!

Board of Directors

May 3, 1983

PRESENT: Hunt Jones, Janet Styner, Bob Strickler, Stan Nelson, Don Eggleston, Jim Davidson, Ivan McCormick.

The minutes of April 5, 1983 were reviewed and approved as published.

Ivan McCormick presented the Treasurer's report for the month ending April 30, 1983, and the Quarterly Report for the Third Quarter ending March 31, 1983. The Board reviewed the report and voted approval.

In a preliminary financial report concerning the NW Region Conference it was reported that it appears that the Chapter came out even on expenses. The subject of refunds for those that did not attend was discussed. The Chapter Board voted to refund 75% of the registration fees to those who had requested a refund.

Don Eggleston commended the Committee and Comgroup on the 1983 Chapter Roster Publication.

The Portland Chapter will receive an award for the Chapter Education programs at the National Convention in Kansas City.

The 1984 Region Conference will be held in Victoria, BC, April 26-28.

Ivan McCormick has been appointed the NW Region Technical Documents Chairman. Congratulations Ivan!

The meeting was adjourned at 1:05 PM

Respectfully submitted,
Janet H. Styner, Secretary

1984 Products Fair

Red Lion at Lloyd Center has been chosen as the site for the 10th Annual Portland Chapter CSI Products Fair. The event will be held April 17 and 18, 1984.

The new site will be much improved over last year's fair which was housed at the Memorial Coliseum. Exhibit space, meeting rooms, banquet rooms and hotel rooms will now be available in one complex.

Committee Members include John Madrosen (Chairman) of Construction Data News, Jim Davidson of Cronin Company, Sarah Lewontin of Pacific Northwest Bell, and Tom Mohr of Mohr Construction Systems (MCS).

J. M.

SPECIAL BOARD MEETING
7-19-83 at SERA OFFICE

Called to order by President Dick Gira 12:11 p.m. Members present: Karen Akeson, John Barker, Ed Charles, Dick Gira, Hunt Jones, Betty Sherman, Bruce Townsend, past President, Don Eggleston and one guest: John Madrosen.

President Gira announced that the meeting was specifically called to try and make a decision on the new location for our CSI Chapter Office.

The Research Committee of Betty Sherman and Karen Akeson were given the floor, and copies of their report were distributed. The list of sites were quickly narrowed down to two. After considerable discussion, the matter was tabled until July 26 for want of more information on prices.

John Madrosen then reported that the Products Fair Committee had been looking into alternate sites for the 1984 Products Fair. It was their feeling that the declining attendance could be reversed with a different location. John stated that the Red Lion Center has a convention room available, and there is plenty of free parking. That would be much more congenial than the Coliseum. Although the initial cost would be more, the free parking and carpeting would make it come out about even. After some discussion, the board gave its approval for the committee to further investigate this new location and if within the guidelines already set for the Products Fair, to initiate a contract for April 17 and 18, 1984.

The meeting adjourned at 1:25 p.m.

AIA - AGC - CSI

The AIA-AGC-CSI Committee met July 26 and went over the final revisions for a brochure on Contract Closeout Procedures. This will be typed and sent out for further review before final printing.

If you have concerns or comments, please contact Ken Searl, the CSI representative.

BS by KS Basic Specs by Ken Searl

Chapter 32 Roofing of the 1982 edition of the Uniform Building Code and Appendix Chapter 32 Reroofing should, in my opinion, reflect the usage of the many single ply roofing systems and other types of new roofing systems but they don't and I would like to know why.

When the 1982 code came out, I eagerly looked through it for items that I felt should be revised to cover what's going on out there and I must say I was disappointed. The only mention I can find regarding newer roofing systems is on page 530, entitled, "Prepared Roofing", which doesn't say very much. Section 32 apparently is geared up to built up to built up roofing plus metal and shingles. Most requirements for built up roofing just don't apply to most single roofing systems.

In the Appendix Chapter 32 Reroofing, no mention at all is made regarding single ply systems. Their reroofing precautions and preparation do not take into consideration what single ply can and can't do in a reroof application.

An example of what I am talking about is in Section 3211, wherein it calls for proper venting of existing insulation. This is very important if one is going to install a built up roofing system over an existing system, but with a loose laid single ply roof, moisture is not necessarily a problem. One must investigate thoroughly the existing system, but a certain amount of trapped moisture is no cause for concern or a complete tear off. What I'm saying is, if the moisture remaining will not cause damage to the roof deck, such as rusting of a steel deck, then why tear off the roofing? Just go over the top and save the cost of a tear off which is quite expensive. If any insulation is involved, and it is damp, just don't consider it in your "R" factor computations.

I do think it is high time for the building codes to recognize what's going on out there. There are some of us who haven't specified a built up roofing system for several years.

Northwest Leadership Conference

8/12/83-8/13/83

Attending from Portland:
Pres. Richard Gira
Pres. Elect, Betty Sherman
Sec'y, Inga Vrla
Past Pres. Les Seeley
Region Tech. Ch. Ivan McCormick
Membership, Lee Kilbourn
Region Awards, Bob Klas
At-Large, Dennis Obert
Editor, Margie Largent

The Region Leadership Conference is a very good place to get a firmer grasp on any chapter office or

committee leadership position that you are stepping into or are considering but aren't sure about the commitment in time and talent.

The number of people attending from the Portland Chapter indicates a good year under Dick Gira's leadership. If you - the reading members are interested in assisting this year or assuming a leadership role next year do contact any of the above people and expose yourself! ... figuratively, that is.

Annual Convention

NATIONAL CONVENTION OF CSI

The National Convention of the Construction Specifications Institute was held June 24-26, 1983 in Kansas City, Missouri. As usual, there were several concurrent sessions. This year was different however, in that there were 2 series of concurrent sessions for Specifications Writers.

IMPROVING YOUR SPECIFICATIONS

One series was on improving specifications with discussions on Masonry, Finish Hardware, Single-Ply Roofing, and Lath and Plaster.

COMPUTER AIDS FOR DESIGNERS, BUILDERS AND MANUFACTURERS

The other series was six sessions on Computers Aids for Designers, Builders and Manufacturers. The first session was Introduction to Computer Aids followed by Realistic Expectations about Computers. Kenton Johnson, PE, the Editor/Publisher of Engineers Computer Applications Newsletter lead both these sessions.

He provided the audience with a reprint of his article "Introduction to Small Computers" published in the April, 1982 Civil Engineering - ASCE, and an outline of the points he was going to cover. He discussed the history of computers, components of computers, and examples of computers in the first session. Applications, expectations, and resources were discussed in the second session.

His list of expectations seemed well thought out, accurate, and included the idea that Computers are going to be getting better and faster. Computers will require more capital and technology but buyers should look at the ultimate cost not the initial price. Computer will save time as well as money in the long run.

Littleton Daniel then conducted two sessions: Evaluating Large Scale Systems and Evaluating CAD and Office Automation Systems. Littleton used the following outlines for his first talks:

1. Why Differentiate between Big and Small Scale Systems? - his conclusion was that there are numerous differences and listed them.
2. Description - he described Big and Small Scale Systems.

The main differences are in Basic Philosophy, Cost of the System, Cost of Operation, Cost of Learning, Cost of Expansion and Impact on Facility and Staff, Commitment (how much time you must spend with it), Method of Use, and the Results of Going to a Computer - the Automation Image, the Quality and Speed of preparing Marketing Proposals and Reduction of Fees.

He gave his opinion of when to buy a Big System and what to look for, listed the best vendors and then summarized the first session.

(continued)

Education Committee by Stan Carper

Portland Chapter CSI will be sponsoring five seminars:

1. October -
Contractual Relationships
2. November -
CSI Method of Organizing
Contract Documents
3. January -
Project Manual Concept
4. February -
Specifications
Writing Principles
5. May -
Modes of Specifying

Cost: \$12.50 non-member
\$10.00 member
\$ 5.00 student

Approximate time: 3:15 - 5:15 p.m.
preceding chapter meeting

Package Price for all 5:
\$40.00 Members
\$45.00 Non-members

A flyer will be inserted in
The Predictor the month of the
seminar.

To the Editor

July 15, 1983

TO THE EDITOR:

In the new issue, Ken Searl holds forth on the merits or demerits of shop drawings. I can speak from only one point of view and that is in support of shop drawings for automatic fire protection systems such as automatic sprinkler systems, Halon systems, dry chemical systems and so on.

From my limited experience in reviewing architect or engineer-prepared plans for fire protection systems, I cannot recall one instance in which the drawings contained in the contract documents accurately reflected what is required by the codes and standards relating to the same subject matter. This is not to say that industry-prepared shop drawings of fire protection systems are always adequate or reflect what is required but I have found that they more closely portray code requirements whereas drawings contained in the contract documents (if any, and many times there are none) are schematic at best and never sufficiently detailed to allow the workman with the tools and materials to put the thing together.

It seems to me as though shop drawings are necessary for the construction of technical devices, equipment and systems, and plans therefore are best left in the hands of the people most familiar with their construction and installation.

Accordingly, and from this one very narrow frame of reference, I am compelled to hold forth in favor of industry-prepared shop drawings.

Respectfully submitted,
WASHINGTON COUNTY FIRE DISTRICT # 1
Wilburn Dodge
Fire Prevention Officer

From the Editor

Answering the CSI telephone (our very own telephone) at the new CSI office, (Room 200, Builder's Exchange) are:

Jane Sampier
Betty Kincaid
Nicki Seller

Please let us hear from you - letters, articles of CSI interest - serious or fun!

Chapter Leaders

PORTLAND CHAPTER LEADERS, 1983-84

President Dick Gira 224-8226

President Elect
Betty Sherman 231-5000, Ext. 755

Secretary Inga Vria 635-6227

Treasurer Ed Charles 295-0333

Directors

Dennis Destefano 224-3860
Bruce Townsend 226-0622
Greg Ross 226-2921
Hunt Jones 654-7455
Karen Akeson 226-2100
John Barker 231-9118

1982-83 President
Don Eggleston 228-6444

COMMITTEE LEADERS

Products Fair, John Madrosen 241-1954
Program, Dennet Latham 222-1917
Education, Stan Carper 285-4557
Technical Documents,
Stan Nelson 206/696-1651
Editor (Publications)
Margie Largent 636-6977
Awards, Cristal Arnold 252-5585
Hospitality, Hunt Jones 654-7455
Membership, Lee Kilbourn 224-3860

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President's Corner

by Dick Gira



With respectful reluctance, I seize upon some of the words of Martin Luther King, Jr.:

I Have a Dream that when a drawing says: "or as otherwise shown or noted" - it is.

I have a dream that architects insist on quality work.

I have a dream that building officials be consistent.

I have a dream that owners will select professionals to design and build their work.

I have a dream that architectural students in colleges and universities be given more of a practical education in concert with the theoretical.

I have a dream that everyone who is asked, will accept and work when asked to by our chapters' officers and committee people.

I have a dream that general contractors use retainage only in the way it was intended to be used.

I have a dream that sub-contractors be qualified to do the work.

I have a dream that people will spell and pronounce lathe L-A-T-H and not lathe (like a piece of machinery).

I have a dream that architects will draw and number their details and sections from right to left and from top to bottom.

I have a dream that no national C.S.I. convention ever again be held east of the Cascades or south of San Francisco if it is scheduled during the summer and in such hot, humid, muggy, stifling, energy sapping places as are usual.

I have a dream that every leadership conference be as educational and valuable as the recent one in Seattle.

(Continued on Page 2)

October Chapter Meeting

DATE: Tuesday, October 11, 1983
TIME: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Meeting
PLACE: Thunderbird at
the Coliseum
COST: \$10.00 per person
RSVP: CSI Office - 238-1482
By Friday Noon
October 7, 1983
SUBJECT: "Wish Night"

PANEL MEMBERS:

Mr. Harry Jacobs
Landing Corporation
Mr. John Biglin
Emerick Construction
Mr. Dale Stewart
The Harver Company
Mr. Jim Griffith
Portland Bureau on Bullings
Mr. Fred Gast, Jr.
SRG Partnership
Mr. Paul Edlund, FCSI
Specifications Consultant

The panel members will discuss, based on their extensive experience, suggestions to improve construction contract relationships or the preparation of contract documents. Everyone come prepared to generate a lively discussion between the audience and our distinguished guests.

Tabletop Display

Our program this month is a general topic. Any member of CSI interested in displaying products of a general nature should contact Gary Zagelow at 655-7166.

BOARD OF DIRECTORS
MEETING AT NOON
TUES., OCT. 11, 1983
CSI OFFICE
1125 S. E. MADISON

Coming Attractions

Nov. - Removal of hazardous materials
Dec. - Christmas party - surprise program
Jan. - Producer's Council (CPMC)
Feb. - Architect's Mistakes
Mar. - Response to Wish Night
Apr. - CSI Products Fair - AIA/CSI Joint Meeting
May - Bid Night (Contractors)
June - Fun Night

More about Gira

Dick Gira is a multi-faceted leader and his talents and credits are so varied it will not be possible to pick any one as dominant - unless it is EDUCATOR.

As you know Dick is Oregon's "Mr. Northwest Lath & Plaster". He is the 33 yr. old father of two, husband of Rose Ann (another Educator - in the music field). He is a veteran whose hobbies include Morse Code, baking, stained glass, calligraphy, photography, marching bands, sports, etc., etc., etc.

Dick belongs not only to CSI but is affiliated with Portland Chapter AIA and Columbia River Chapter ICBO. Dick has contributed to or written numerous technical publications in the educational field - more specifically in the field of Architectural curriculum and terminology.

I think we could say Dick has been or is an active industrial designer, architectural historian, speaker, lecturer, teacher, artist, efficiency expert, systems engineer, entrepreneur ... (his own drafting service), businessman - and a well-rounded "Archy Rep" - generic even - who has an "Assoc. of Applied Science" degree from Purdue '55 - (Mech. Engineer), "Bachelor of Industrial Education", Purdue '70, "Master of Science", Indiana Univ. '73 in Instructional Systems Technology, (Audio Visual).

Dick then is a master of "Show and Tell", also well trained and experienced in "Do and Listen". Call Dick and volunteer your services. Let's really use our exceptional leader!

CPMC/Dow Luncheon

10/20/83

DOW CHEMICAL U.S.A., in cooperation with the Construction Products Manufacturer's Council, will sponsor a luncheon on Thurs., Oct. 20, at the Riverside West Hotel, downtown Portland.

"Long Term Performance in Roofing", a film on the IRMA Roofing System will be shown with Technical discussion on rigid foam insulation.

CPMC Contact: Walt Suman, 297-1011 or Frank Besuecker (206) 682-9262.

President's Corner

Continued from Page 1

I have a dream that code books will become easier to interpret.

I have a dream that the professional segment of our chapter will respond to our chapter activities in far greater numbers.

I have a dream that people will not place an "a" before the "r" when pronouncing the word masonry.

I have a dream that some receptionist, etc., will make an attempt to learn more about construction, especially the vocabulary of the industry.

I have a dream that draftspersons will never again misspell a word on drawings.

I have a dream that specification writers will refer a bit more to the technical literature brought to their offices by industry representatives.

I have a dream that project developers in the larger cities will devote much more attention to the environmental impact of humans as it relates to derelicts, hobos and vagrants and of their relationship to business people, store owners and the public.

I have a dream that all other CSI regions will be as vigorous and hard working as in the NW region.

I have a dream that those designing and producing product literature will develop more "in-depth" but at the same time, more easily interpreted materials.

I have a dream of faith - faith that all those things mentioned will somehow come to pass. With this faith, we will all be able to transform the jangling discords of our industry into a beautiful symphony of brotherhood and cooperation. With this faith we will be able to work together, to build together, knowing that we shall overcome together.

Portland Chapter

New Members since 1982-82 Directory Addendum 1

Claus Crone

CHEC Consulting Eng., Inc.

Robert E. Dalrymple

Dalrymple Design Group

Ron Davidson

John Latta Associates, Inc.

Garland A. Davis

Contract Distributors Corp.

Randall B. Davis

G A F Corporation

Richard Draper

M & P Motel/Restaurant Supply

Charles Goad

Viking Industries Inc.

William L. Hite

Morse Brothers

Bruce Holliday

Adhesive Engineering Company

Grover Jones

CH₂M Hill

Millie Kyle

Lanzadoro Tile

Board of Directors

Minutes 9/13/83 4:20 p.m.
Portland Motor Hotel

Present: Gira, Charles, Carper, Jones, Madrosen, Latham, Largent, Sherman, Destefano, Akeson, Barker, Vrla, and Townsend.

Minutes approved as printed in The Predicator.

Treasurer's report for July and August approved.

Carper announced seminar on Oct. 11 will cover Contract Documents.

Jones is leaving and Pat O'Brien will replace him as Hospitality Chairman.

Madrosen shared a survey about last year's PRODUCTS FAIR:

455 attendees responded to questionnaire:

202 Architects and other professionals (44%),
199 Industry people (44%),
Public officials (9%), and
Contractors (3%).

FAIR will be at Lloyd Center Red Lion April 17-18. Joint AIA/CSI chapter meeting planned. Speaker to be announced.

Latham reported on programming for future CSI meetings, including Wish Night in October.

Largent revealed very few problems with the first issue of The Predicator.

Sherman passed out binders for Committee Leaders, to keep information together and pass along to successors. Each board member will complete an evaluation form for each program which should be a help in planning future programs for CSI meetings.

Sherman made a motion to accept Jim Hirte as replacement for Hunt Jones as Board Member. Motion was passed unanimously.

Meeting adjourned at 5:25 p.m.
Respectfully submitted Vrla, Sec'y.

Robert Moeller

Western Pacific Const. Materials

Dennis Obert

Architectural Specifications

Robert E. Patterson

CH₂M Hill

E. Benno Philippson

CH₂M Hill

Richard A. Raab

RAR Architecture

Robert A. Schmidt

Corroon & Black of Oregon

A. Sieger

Unistrut Northwest

Walter G. Steiger

U.S. Army Corps of Engineers

E. P. Strickler

Wescon Materials, Inc.

A. Strong

William L. Lonigan Associates

Cecil G. Taylor

Merit Building Specialties

Inga Vrla

National Marketing

Dan E. Ward

Willamette Painting Company

September Chapter Meeting

- LAMINATED GLASS

Mike Keser of Cascade Tempering, and Justin Dune, a plan reviewer for the City of Portland, presented the program for the September meeting of the Portland Chapter.

Justin Dune began the program with an overview of glass. His initial point which was emphasized during the meeting was that glass breaks! The life safety issues associated with glass breaking are twofold:

1. What happens when glass breaks?
2. How often is it likely to break?

Glass has three main properties with regards to stress:

1. Glass is strong in compression
2. Glass is weak in tension
3. Glass is brittle - especially in thin sheets

Glass hung in a vertical windowframe is in compression. Glass hung overhead in a skylight is like a beam. Its top surface is in compression and the undersurface is in tension. Tempered glass has compression on both its upper and lower surfaces. As long as the tension doesn't exceed the compression of tempered glass it will not crack. Glass can not be bent, folded or stapled.

Mike Keser then discussed skylights and sloped glazing. Sloped glazing is defined as any glazing past vertical by 15 degrees.

Before 1950 anything was allowed in skylights. After 1950 skylights could only be wire glass or laminated glass. The tempered glass manufacturers have tried to get their product allowed since 1950.

Vjgrg"crg"four problems with tempered glass in skylights:

1. It will break if overloaded - as under a load of snow.
2. It will spontaneously break due to impurities in the glass - not able to tell before this happens that it is going to happen.
3. Improper installation of skylights causes them to break.
4. Racking occurs due to weak framing of the glazing system which causes breakage.

Justin Dune then discussed laminated glass.

NOTICE!

ALL CHAPTER MEETINGS WILL BE ON TAPE THIS YEAR AND STORED IN THE CSI LIBRARY (OFFICE) FOR ANYONE WHO MISSED THE MEETING.

BS by KS

Basic Specs by Ken Searl

One subject I haven't discussed heretofore is wood doors. Now you say, what the heck is important about wood doors. Well, that's what I normally said but as I've stated before things are never static and seem to change from time to time.

For years I have specified wood doors by brand name and type including certain requirements for thickness of face panels and other details and thought that was all I needed. In recent years it seems that the thickness of the face panels have become thinner and thinner so if you want a certain thickness on a face panel you must be very explicit in your specification and then you better check the delivered product to check for conformance. They have also added a grade called good/paint and with some manufacturers this is satisfactory but in others you may have to go to Premium or Stain grade. It is also noted that some manufacturer's paint grade is suitable for staining if one doesn't object to a few straight lines showing where individual face panel sections are joined.

The next item I want to call to your attention is sizes of top rail and edge stiles. In many doors it is necessary to specify grommets or sleeve nuts if closers are to be mounted on doors. If there is an objection to the through bolts showing on the other side of the door then choose a better quality door or go to steel frames and doors. On heavy usage doors we sometimes specify steel doors and then cover them with laminated plastic. Another item is specifying factory machining for finish hardware, mostly hinges and locksets. Pricing for this is very reasonable, is a great labor saver and usually gives a more uniform appearance. On small projects it may not be feasible but on medium to large projects it will save time and money with factory machining. I normally specify factory machining and I am continually surprised that more contractors do not do it that way in lieu of job machining. I'll bet when finish hardware is installed by the finish hardware people you will find this method will be more popular. If any of you out there are still specifying the installation of Finish Hardware in Division 6, I strongly suggest you place it in Division 8 with Finish Hardware as the CSI MasterFormat indicates.

Continued

Northwest Region Technical

Regional Meeting 1984: Puget Sound Chapter will host this on April 26-28, 1984. It will be held at the Empress Hotel, Victoria, B.C. Tentative registration cost will be \$90 for CSI member and \$50 for spouse. Hotel rooms will cost about \$60 Canadian. These costs will be confirmed. The location alone should be enticing.

Tri-Region Meeting 1985: This will be a joint meeting of the Northwest, West, and Southwest Regions September 5-8, 1985. This will be held at the Asilomar Conference Center, Monterey Peninsula, California. This should be another outstanding opportunity to meet fellow CSI'ers in a beautiful location.

Roundtables: These training sessions on Friday afternoon were outstanding. I attended the Technical Documents Roundtable led by Jim Robertson and Jesse Wilkins, FCSI.

The region will be stressing three goals this year.

1. Technical Aids Series Documents: Each chapter will be asked to do at least one.
2. Project Manual Development Guides: This is a new program designed to help the specifier in writing a specification section. It will list references, standard abbreviations, special concerns to be included in the specifications or drawings. There will also be a portion advising the Architect on what to look for in job site visits.
3. Monograph Program: The Institute has reactivated this program. All existing monographs are out of date and need to be revised.

I have briefly described the goals of the Technical Documents Committee. Hopefully your Local Chairman will expand on these in future issues of The Predicator.

Ivan McCormick

One last item is over the years I have found it to be impractical to specify prefinished wood doors because no matter how careful the contractor tries to be it always seems to happen that a guy named Murphy scratches several doors just prior to owner acceptance.

Awards

With all the many facets of CSI activity, Awards generally are low on the list of priorities. Awards seem to be prepared by a selected few, and generally the deserving people receive recognition.

I think this approach can be improved. The reason for awards is certainly to recognize those individuals and organizations who have contributed to the CSI program. We all know how important volunteer effort is to the program, and each award is recognition for hundreds of hours of volunteer effort. It is essential that appropriate thanks be expressed for this time and talent. We also know how good it feels in Chapters when a member gets National or Regional recognition. Obviously there is an additional benefit to this recognition in that it inspires others to contribute their talents. This is the very heart of continuing the CSI program. On the other hand, it is counterproductive to overlook exceptional efforts.

Your Chapter officers will appreciate any ideas you might have about individuals or awards that should be granted. I would like to ask each Chapter member to think about the people and programs in CSI.

Appropriate nominations from the Chapter level are the most important part of the CSI Awards Program. Most nominations can be submitted by individuals as well as by Chapters. Please check the Administrative Guides in your Chapter. The Region nomination is simple. The Institute nomination requires more effort. Submittals for Institute Awards - with the exception of Honorary Membership which must be in by 2 January 1984 - must be received by 1 February 1984. Region nominations must be received by 24 February 1984.

We would much rather have too many nominations to sort through, than to go begging for submittals. Your insights and help are essential at this time.

Robert R. Klas
Region Awards Committee

Past Presidents

Eight past presidents met at the home of Dick Gira, president, with several board members and chapter leaders, the evening of August 26, 1983, to discuss ways in which we, the past presidents can be of use to the current leaders. A list of names of past presidents will be printed in The Predicator for reference along with the year of service and a telephone number.

August

I'LL TAKE MY SEAL? POSTUREPEDIC?
THANK YOU!

On August 30, 1983 thirty CSI members had the pleasure to tour the soon to be completed Portland Multnomah County Justice Center. Led by three employees of the project Construction Manager, Turner Construction Company, the group was able to move throughout the facility, from the public areas into the highly secured detention floors.

Although the sophisticated electronic security systems were not yet activated, and most doors were open, it was not difficult to realize when one was in a public domain or a detention zone. As the group moved through the exterior west arcade and into the main lobby we were constantly aware of the care taken in the selection of materials and their detailing. The hand made ceramic roffit tiles and west entry etined glass arched window add a pleasant human dimension to the monumental skylit and vaulted public lobby. The polished terrazzo pastel checkerboard floor, stainless steel elevator doors, marble faced elevator core, stainless steel railings and wall panels, full-height glass entrances and partitions, the smartly detailed wood benches and deeply rusticated rotund concrete column all contribute to the feeling of sensitivity and effort spent to create this inviting public space.

However, once past the first line of defense, the feeling changes immediately. The corridors and rooms instantly change to a pale monochromatic maze of concrete masonry and concrete walls. The detention doors and hardware, cabinetry, lighting, mechanical fixtures, and various "or equals" take on a different character - one of indestructibility. The day rooms and outside recreation area give the impression of a less restrictive incarceration, however, the watchful eye of a camera or sensitive sound system is always nearby.

From the public's point of view, the new Justice Center, with its articulated, equitably detailed pre-cast concrete facade, is a pleasing addition to the Portland skyline. Yet, the life of an inmate in the small concrete cells on a thin mattress over a concrete pad is another consideration. I'll take my Sealy Posturepedic - Thank you.

Dennet Latham
Program Chairman

National Convention

Continued from September

Littleton Daniel's second session followed the same plan as the first session with a general outline which he expanded on as he went along. He started with a question: What CAD and Office Information systems can do for Architects? and then went on to discuss what is happening in the Profession and how time is spent in private architect's practice. He looked a little into the future with his ideas of what will happen in 1987, 1994, and 1995. He discussed two case studies and then made some suggestions on how an architectural firm could start using computers.

Edward C. Derby, AIA, CSI presented the session for Architects/Engineers entitled Practical Computer Applications. Floyd McCall conducted the session for Contractors and Herman Hines presented it for Suppliers and Manufacturers. Derby's 10 1/2 person firm apparently started five years ago with a Word Processor and Computer Aided Design System. Derby made some suggestions as to things to look for when purchasing computers including local availability, what software works on the equipment, and how much training is needed. He felt that you should be concerned with productivity and treat the computer like a new employee so you could bill clients for its efforts. Maintenance is expensive but worthwhile. He suggested that consultants could spend time on the computer after hours working on their part of the job.

Littleton Daniel presented the final session on Future of Computers in Construction. He discussed the trends in computers and the construction industry. He felt that Architects, Engineers and Contractors should respond enthusiastically to computers because computers are excellent at doing things like estimating, cost control, take offs from drawings, specifications, and coordination. Each firm should generate its own data base so that it can do its own cost and value analysis, drawings, specifications and monitoring of construction.

In the built environment, Owners will generate their data base for financial planning, budget optimization, scheduling, tenant-occupancy management and operations cost control. The architect should perform design optimization by simulation. There will be electronic teleconferences and failure prediction by use of simulation. Fire insurance premiums and building failure insurance premiums should be reduced if a simulated disaster proves that losses would be minimum.

SENER 10441389.

SELLING TO DESIGN PROFESSIONALS
Charles F. Boyd conducted two sessions for Suppliers and Manufacturers. The first was Determining the Decision Makers and the second was Needs of the Decision Makers.

CSI DOCUMENTS - MASTERFORMAT PANEL
Weldon Nash, the Chairman of the Masterformat Review Committee presented the review parameters and then showed slides of the Masterformat with the changes indicated. Questions were then given to the members of the panel, W. F. Fretter, Curtis H. Lee, C.H.M. MacPhail and Robert G. Spurling. Lee Kilbourn has a copy of Nash's slides and gave a similar presentation to members of Portland Chapter CSI in mid-July.

LEGAL POINTS - Liability for Nonconformance to Specifications was presented by Robert Vansant. Liability indicates that there is a responsibility to

- 1) pay
- 2) provide services
- 3) repair or replace a product
- 4) defend another party

Insurance policies address liability and the limits of liability are in the contract.

Uniform Commercial Code describes rules for delivery of, acceptance of, payment for products, and a requirement for implied warranty. Implied warranty of merchantability - not a reject unless labeled.

Implied warranty of fitness provides product suitable for purpose for which it will be used.

Advertising literature acts like a warranty. Beware of statements made by Sales Representatives in order to get a sales also poor technical literature.

Arbitration versus mediation - mediation does not bind parties while arbitration does.

The main areas of liability are

- 1) breach of contract
- 2) breach of warranty
- 3) something was done wrong
- 4) change in conditions
- 5) loss of money on a project
- 6) imminent bankruptcy
- 7) interference with business relationship

Vansant concluded by discussing the importance of good contract documents.

For a more in-depth discussion of Vansant's talk see the July 29, 1983 edition of the F. W. Dodge Construction News.

THE PORTLAND CHAPTER OF CSI
IS SPONSORING A SEMINAR ON

CONTRACTUAL RELATIONSHIPS

DATE: TUESDAY, OCTOBER 11, 1983

TIME: 3:15 to 5:15 P.M.

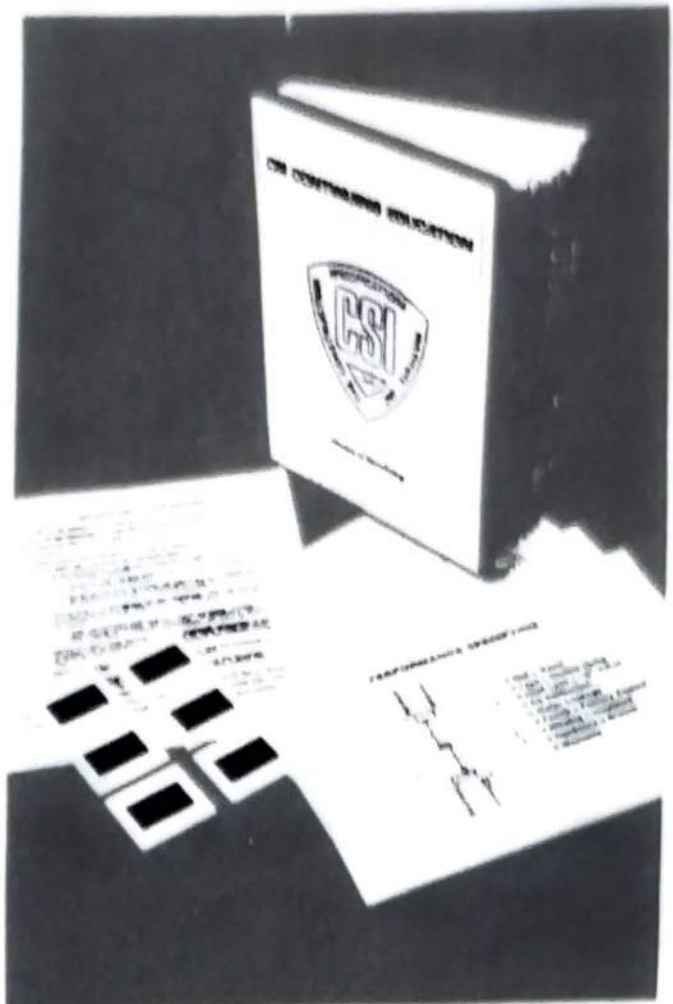
PLACE: THUNDERBIRD COLISEUM
1225 N. THUNDERBIRD WAY
PORTLAND, OREGON

Included will be information on:

- Formation of Contracts
- Formalities of Contracts
- Dissolution Of Contracts
- Damages for breach of Contracts
- Restitution and Liquidated Damages

Attorney Architect Bill Merritt will
be the guest speaker.

Also, as part of the continuing education
program, 2.10 of a credit unit will be
awarded to participants of the seminar.
There will be an additional cost of \$3.00



The seminar will be followed by CSI's monthly meeting starting with a 5:30 no-hour
cocktail hour, 6:30 dinner, and 7:30 program. Note: The evening meeting is
separate from the seminar.

SEMINAR COST: \$10.00 Member
\$12.50 Non-Member
\$ 5.00 Student

PACKAGE OF 5 SEMINARS
\$40.00 Members
\$45.00 Non-Members

Name: _____

Address: _____

City and State: _____ Zip: _____

Make check payable to: The Construction Specifications Institute
Mail to: CSI

1125 S.E. Madison, #200
Portland, OR. 97214



Education Committee

by Stan Carper

Portland Chapter CSI will be sponsoring four more seminars:

1. November -
CSI Method of Organizing
Contract Documents
 2. January -
Project Manual Concept
 3. February -
Specifications
Writing Principles
 4. May - Modes of Specifying
- Cost: \$12.50 Non-member
\$10.00 Member
\$ 5.00 Student

Approximate time: 3:15 - 5:15 p.m.
preceding chapter meeting

Package Price for all 5:
\$45.00 Non-member
\$40.00 Member

Portland Chapter 1983-84

President Dick Gira 224-8226
President Elect
Betty Sherman 231-5000, Ext. 755
Secretary Inga Vrla 635-6227
Treasurer Ed Charles 295-0333

Board of Directors

Dennis Destefano 224-3860
Bruce Townsend 226-0622
Greg Ross 226-2921
Jim Hirte 244-0843
Karen Akeson 226-2100
John Barker 231-9118

1982-83 President
Don Eggleston 228-6444

Committee Leaders

Products Fair, John Madrosen 241-1954
Program, Dennet Latham 222-1917
Education, Stan Carper 285-4557
Technical Documents,
Stan Nelson 206/696-1651
Editor (Publications)
Margie Largent 636-6977
Awards, Cristal Arnold 252-5585
Hospitality, Pat O'Brien 241-1875
Membership, Lee Kilbourn 224-3860

PORTLAND CHAPTER MEMBERS WITH Region RESPONSIBILITIES:

Region Awards Chairman
Bob Klas 644-4222
Awards Selection Committee
Les Seeley 287-7135
Region Technical Chairman
Ivan McCormick 226-1431
Region Operating Guide Revisions
Don Walton 643-9491

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 283-5178

To the Editor

August 25, 1983

Ivan McCormick updated me on activities of CSI over the past several months. I wasn't aware that CSI had moved from the Dekum Building and now has its office in the Builders Exchange.

However, I did learn that you are the current editor (or co-editor) of The Predicator which gets to the point of this letter. I have written a short article for The Predicator titled, "ASBESTOS, Its application, removal and disposal", which may be of interest to spec writers in this area.

School District No. 1 has been involved with asbestos removal in some of its renovation work. We have had to remove some asbestos and encapsulate others. We became aware of the DEQ requirements about two years ago.

The DEQ rules on asbestos were sent out to all architects in Oregon about three months ago which got me thinking about our experience with it. Anyone contemplating doing renovation work should be aware of these DEQ rules.

Sincerely,
Andrew E. Olson, C.S.I., C.C.S.
Specifications Specialist

From the Editor

Thank you Andy!

Our November issue will carry your fine article because it fits with the November program. Hope to see you there.

Other articles by our CSI Chapter members appearing in other publications include: "Changing With the Times" by Ed Charles; "Do People Plaster More" by Dick Gira; "Painting Industry Advancement Fund" by Joe Lane. These three appeared in a special edition in September of Contractor's Daily. Two articles by Ken Searl "A Spec Writer Looks at Roofing" in August '83 SUN/Coast Architect/Builder and "A Finish Hardware Dilemma" in June '83 of the same publication.

Are there others who have made print without my knowledge?

Hunt Jones has resigned to accept a job in Seattle! Jim Hirte replaces Hunt on the Board of Directors (Industry member), and Pat O'Brien accepted the Hospitality Committee job. Good luck Hunt, come see us, and welcome Jim and Pat.

Remember all members and guests are invited to attend chapter meetings - and after dinner attendees will be served coffee. We need you - you need us.

Editor

the predicator

1125 S.E. Madison, #200
Portland, OR 97214

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President's Corner by Dick Gira



ARE SPECIFICATION WRITERS BORN...OR MADE?

Does the environment in which a young child is raised have anything at all to do with the way the child will perform when he or she matures and enters the world of work?

Suppose this person becomes a specifications writer for instance. Do well-written specifications have anything at all to do with the experiences the writer gained early in the "growing-up" years?

In the days before television children had to use their imagination while listening to the radio... "what did the killer look like?"... "what color horse was the hero riding?"

Little children improvised and threw blankets over cardboard boxes or furniture and played "house". They worked many hours clearing off a vacant lot in order to have a place to play baseball. At night, these same kids played "kick-the-can" or tried to catch "lighting bugs". They had, through necessity, to create their own entertainment. They were forced by the times to "do their own thing".

In contrast, today's children watch very explicit television which doesn't leave very much to the imagination. They play "house" using miniature, actually working appliances... modular and color coordinated of course, and Little League baseball is played in well-manicured "stadiums"... all these things provided by others.

Continued on Page 2

November Chapter Meeting

DATE: Tuesday, Nov. 8, 1983

TIME: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Meeting

COST: \$10.00 per person

PLACE: Thunderbird at the Coliseum

RSVP: CSI Office 238-1462
by Friday, Nov. 4, 1983
Important, urgent.

PROGRAM: **Asbestos**

"Removal of Hazardous
Materials"

Did you know there are more than 250 pages of federal and state regulations covering the safe handling of asbestos?

Do you know what these words mean:

actinolite,
amosite,
anthophyllite,
crysotile,
crocidolite, or
tremolite?

Do you know what is required of the Owner, Architect, Specifications Writer, and Contractor for the safe handling of asbestos?

Did you know that a single exposure to asbestos could initiate health problems which will not appear for twenty years?

For answers to these and other questions attend the November Chapter Meeting to hear Mike Lewis of Building Products Management, a Contractor with much experience with the removal of asbestos, and representatives from DEQ's Air Quality and Disposal Division and Accident Prevention Division discuss the complex requirements and issues which concern all of you in the Construction Industry.

Tabletop Display

Our program this month will be on removal of hazardous materials. Any member of CSI interested in displaying products associated with the above topic can contact Gary Zagelow at 655-7166.

BOARD OF DIRECTORS
MEETING AT NOON
TUES. NOV. 8, 1983
CSI OFFICE
1125 S. E. MADISON

Asbestos Removal

Application, Removal and Disposal

The Miracle fiber of the fifties, sixties and even early seventies has become the health hazard of the eighties. Of course asbestos was used well before the fifties but its use spread rapidly when introduced into the post World War II building boom. Due to its insulating properties, asbestos was used for soundproofing, fireproofing, insulation, and even reinforcing in cement and roofing products.

Asbestos is a hazardous air contaminant which can lead to serious health problems. Because of this, any spray-on material used to insulate or fireproof buildings, structure, pipes, and conduits must contain less than one percent asbestos on a dry weight basis, according to the latest rules issued by the Oregon Department of Environmental Quality (D.E.Q.). This is all well and good for control of new products, but what about all that existing asbestos laying more or less dormant in so many buildings and structures constructed since World War II?

The D.E.Q. Rules cover renovation and demolition of materials containing asbestos. Copies of these rules were sent to licensed architects, school superintendents, and others who might be involved in renovation or demolition of existing structures. There may be many spec writers who were not included in the D.E.Q. mailings and, I feel, everyone who may be involved in any way with the removal and disposal of asbestos - containing products should be made aware of these rules.

Any building you renovate may contain asbestos products in one form or another. Structures that may contain asbestos include boilers, ducts, pipes, furnaces, walls, ceilings, and fireproofing on structural steel items. If you need a structure tested to find out whether or not it contains asbestos, D.E.Q. suggests you:

1. Contact the Accident Prevention Division of Oregon's Workers' Compensation Department,
2. Locate a private consultant listed in the yellow pages under "safety consultants," or,
3. Contact your insurance carrier, which may provide asbestos detection services.

Continued on Page 2

President's Corner

Continued from Page 1

Which person becomes the "better" specifications writer or "better" anything else? Does the "modern" child have the advantage? Or does the person who grew up in the 30's or 40's make the better specifications writer? Does or did the inventiveness of this age group carry over to adulthood and into a person's professional life?

What are the benefits (if any) for a person to be exposed to "make-believe" and "fantasy" at an early age? Quoting Albert Einstein who said: "When I examined myself, and my method of thought, I came to the conclusion that the gift of fantasy had meant more to me than my talent for absorbing positive knowledge."

Are Specification Writers born...or made?

Dear Dick

I also have a dream, that "Spec" writers say "cheaper" instead of "or equal" - because that's what they end up getting!

Gene Silvey, Master Builders

Mystery Guest

An out-of-town visitor to our October Chapter Meeting was Alvin Whatley, President of WHATCO - a roofing application company (not to be confused with the wood finish).

Alvin said he had been a (A) Llama rancher but had just sold his herd for \$600.00 (a single Llama that had cost \$2500). It was either sell at a loss or kill the skejfhdfjg!!!

Mr. Whatley still has a herd - 26 goats. The famous GONE WITH THE WINDhed. Rhett Butler is the sire, and Scarlett? Well that is part of the mystery. Ed.

1984 Products Fair

A theme for the 10th Annual Portland Chapter Products Fair has been chosen - **Power Through Knowledge**

This positive concept will help blend the two-day event of exhibits, seminars and joint CSI/AIA dinner meeting.

Fair dates are April 17 and 18, 1984 at the Red Lion Lloyd Center, Portland. Exhibit fees are now being determined by the Products Fair Committee. Invitations to the exhibitors are expected to be mailed in early December. A discount is expected to be given to CSI Members and to those who register early.

John Madrosen Chairman

Asbestos Removal

Continued from Page 1

D.E.Q. must be notified before any structure containing asbestos is renovated or demolished, or any asbestos is sprayed in Oregon. Section 465(4) of the rules describes the notification procedures and the steps to follow in handling asbestos. These rules are designed to keep asbestos out of the air and out of people's lungs.

In addition to following D.E.Q. rules, you must follow worker safety rules enforced by the Accident Prevention Division (A.P.D.). Worker's health must be protected. Asbestos must be wetted during stages of demolition and handling to keep it from becoming airborne. Asbestos-containing material cannot be thrown or dropped from buildings or structures.

When removing asbestos, the contractor must:

1. Monitor the environment for asbestos.
2. Provide special work clothing and respirator equipment.
3. Post warning signs.
4. Monitor employee's health.

When disposing of asbestos, both D.E.Q. and A.P.D. require it to be placed in leakproof containers (i.e., plastic bags at least 6 mil thick), labeled with a warning notice, and disposing of it at an authorized site or landfill.

Contact D.E.Q. or A.P.D. for information, assistance and copies of their rules and requirements.

Call toll-free in Oregon, 1-800-452-7813 and ask for either D.E.Q. or A.P.D.

Andrew B. Olson, CSI, CCS

AIA - AGC - CSI

Meeting was held Tuesday, October 4, at the AGC Building in Wilsonville. Eleven members were in attendance. The construction closeout procedures were reviewed and some revisions made prior to final printing. It was a very lively meeting with lots of input from all members.

Our next meeting is scheduled at noon, Tuesday, December 6. The topic of discussion will be contractors liability insurance and how it relates to General Conditions. We will discuss mediation and change order procedures at future meetings.

If you have any comments or input for any of the meetings, Contact Ken Searl at 223-1181.

October

MINUTES OF CSI BOARD MEETING
OCTOBER 11, 1983

Meeting called to order 12:15 by Pres. Richard Gira.
Present: Eggleston, Akeson, Arnold, O'Brien, Latham, Obert, Gira, Barker, Townsend, Destefano, Ross, Madrosen, Vrla, Largent, and Sherman.

Minutes of last Board meeting were approved as read. Gira passed out copies of Treasurer's Quarterly Report. However, since Treasurer, Ed Charles, was not present, discussion about this report was tabled until next Board meeting.

Reports followed from various committees: i.e., Arnold is prepared to present a special award at the 10/11 meeting. O'Brien and Latham generated much discussion about meetings in general and especially the December party...where to be held, when, etc. CSI will now meet at the Thunderbird at the Coliseum (except for Dec.) Gira was disturbed that from a membership of 230 individuals, only 44 were expected for the evening meeting (10/11). Obert was leaned on by Largent to initiate a telephone reminder system whereby all members are called every month to urge attendance at the CSI meetings. In turn, Latham would continue to evaluate response to programs and at Largent's urging, provide more program details for insertion in The Predicator and thus create more enthusiasm!!! December meeting (party) will prove to be a show stopper (editorial opinion by Secretary). Largent is asking that O'Brien keep a count of attendance at all CSI meetings, not only to assist Sherman in a study she is preparing, but also as a matter of record.

"Products Fair Madrosen" announced the theme for the fair to be "Power through Knowledge". Plan is to have 93 paid booths and 12 complementary booths for various associations, who in exchange would provide publicity and possibly present a one-hour seminar each. Madrosen is preparing a pricing schedule for the booths, which should be enticing especially to "Early-Bird" CSI'ers. Joint AIA-CSI meeting still planned, and the speaker is still unknown.

New Business: Gira agreed to help Sampler and others get the files in order in the CSI storage...er, that is, office space at Builder's Exchange.

Meeting adjourned at 1:15 p.m.
Respectfully submitted, I. Vrla, Sec'ty

ALL CHAPTER MEETINGS WILL BE ON TAPE THIS YEAR AND STORED IN THE CSI LIBRARY (OFFICE) FOR ANYONE WHO MISSED THE MEETING.

BS by KS

Basic Specs by Ken Searl

One thing that we all should be on our constant guard is too many words in our specifications. Mr. Edwin Newman, the keynote speaker at the annual CSI convention, said that bloated language is becoming typical of most American English, where enough is almost never enough. We invent new words when existing words would suffice and we embellish what could be stated very simply and succinctly. In the news we hear that someone was "strangled to death", that there was one "living survivor", that someone is a "self confessed racist", or a "self confessed murderer"—who else can confess for you? A hotel advertises a "free honeymoon for two", an executive writes that a "proposal has been affirmatively approved"!!

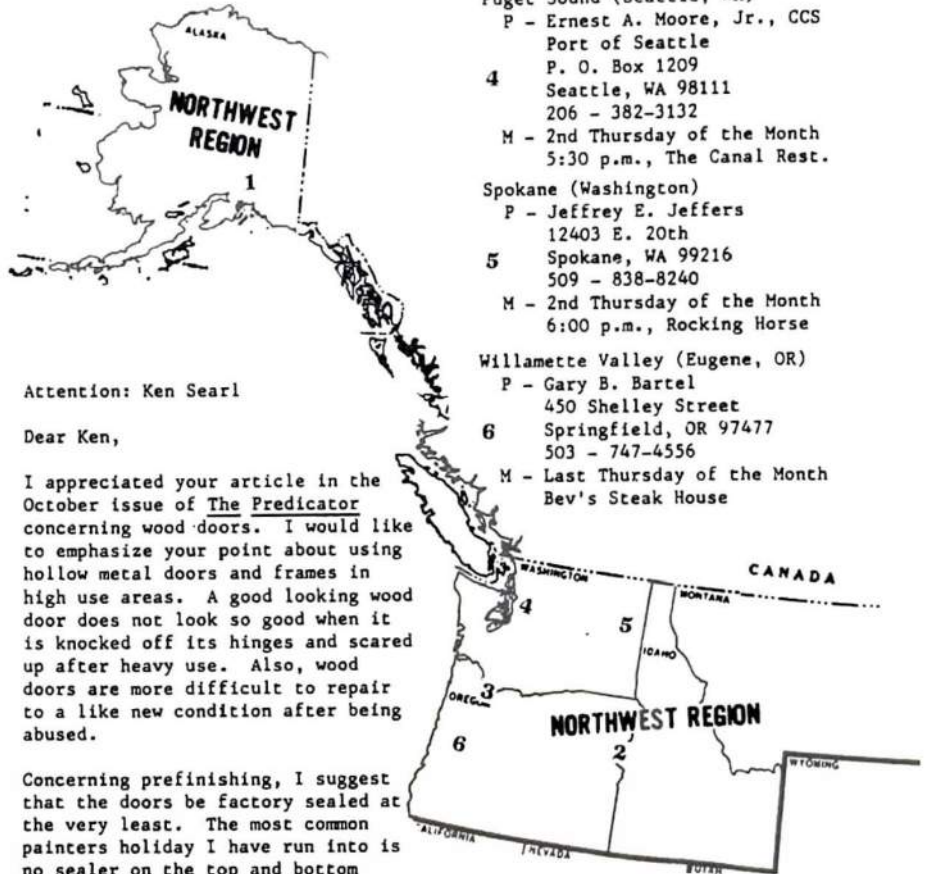
Why does all this happen? Not only is this language pompous, dangerous but it stands in the way of understanding. Thus, the more difficult and complex you make your job or specs sound, the more prestige you feel you are likely to have, or so it would seem. Bloated language becomes "mumbo jumbo" yet it is apparently put forward with utter seriousness to intimidate and impress everyone with your great knowledge. In many cases the opposite occurs. It is much better to have a specification with very few words but words that clearly state what you wanted than to have a bloated language specifications that probably won't get read and if it does the reader isn't sure of what is really specified.

Sometimes I have been accused of writing a lousy specification but have also been told they fully understand what I wanted. Now you know why I have never entered a specification award contest. Besides, Kilbourn takes care of the awards in this area. Hah!

Another item I want to discuss this month is notes on drawings. I firmly believe that brevity up to a certain point is in order for notes on drawings. A good share of notes now presently seen on drawings should be in the specifications. Notes or schedules include nailing schedules, door schedules and structural notes. Many structural engineers seem to strongly resist moving their notes from the drawings to the specifications. Some engineers have stated that the codes and ordinances say they have to be that way. Well in Oregon that is a bunch of hogwash. We do work all over the state and have never been ordered to take our structural notes and place them on the drawings. Drawings that aren't noted to death are sure much easier to read than

drawings completely overloaded with notes. In fact some drawings have notes that do not belong in either the specifications or the drawings. Again, bloated language.

One last item one must watch out for is specification sections prepared by consultants with a lot of duplication of the front end documents. I've always wondered the reason for this and as near as I can determine either the consultant loves lots of bloated words or is trying to build an empire or is afraid if it isn't said within their specifications it won't get any attention or they make lots of words to try to obtain protection for their back side. If any of you out there know the answer let me know.



Attention: Ken Searl

Dear Ken,

I appreciated your article in the October issue of The Predicator concerning wood doors. I would like to emphasize your point about using hollow metal doors and frames in high use areas. A good looking wood door does not look so good when it is knocked off its hinges and scared up after heavy use. Also, wood doors are more difficult to repair to a like new condition after being abused.

Concerning prefinishing, I suggest that the doors be factory sealed at the very least. The most common painters holiday I have run into is no sealer on the top and bottom edges, and we all know what moisture can do to an improperly sealed and finished wood door. Be aware that wood veneer fire rated doors are not wood doors. Most are mineral core with "SLM" edges which appear to be nothing more than fire treated laminated masonite. Particular attention to hardware attachment is necessary because screws do not hold in the SLM as well as they do in solid wood. When specifying a fire rated wood door, be wary.

Very truly yours,

Patrick R. O'Brien

Northwest Region

- Cook Inlet (Anchorage, AK)
P - Jerry E. Wackins, Architect
1726 Eagle River Road
Eagle River, AK 99577
907 - 561-1148
M - 3rd Tuesday of the Month
6:30 p.m. Anchorage
International Inn
- Idaho (Boise, ID)
P - Doyle W. Allen
2701 Hillway Drive
2 Boise, ID 83702
208 - 334-3454
M - 1st Tuesday of the Month
6:00 p.m. Old World Catering
- Portland (Oregon)
P - Richard Gira
Portland, OR 97201
3 503 - 224-8226
M - 2nd Tuesday of the Month
location varies
- Puget Sound (Seattle, WA)
P - Ernest A. Moore, Jr., CCS
Port of Seattle
4 P. O. Box 1209
Seattle, WA 98111
206 - 382-3132
M - 2nd Thursday of the Month
5:30 p.m., The Canal Rest.
- Spokane (Washington)
P - Jeffrey E. Jeffers
12403 E. 20th
5 Spokane, WA 99216
509 - 838-8240
M - 2nd Thursday of the Month
6:00 p.m., Rocking Horse
- Willamette Valley (Eugene, OR)
P - Gary B. Bartel
450 Shelley Street
6 Springfield, OR 97477
503 - 747-4556
M - Last Thursday of the Month
Bev's Steak House

Awareness Program

REGION ACTIVITIES

Region Conferences

Each of the 10 Institute regions conducts an annual conference with speakers, panel discussions, seminars and workshops. Programs cover selected technical subjects and Institute, region and chapter affairs. Institute officers and staff participate. In addition, region conferences include social events and special spouses programs.

The two Institute directors in each region conduct annual administrative conferences with chapter officers to review Institute, region and chapter affairs and to provide a forum for the exchange of ideas on the complete range of administrative subjects as they affect and involve chapter officials.

CSI Trivia

Chapter Dues: 40 Chapters charge \$25.00 dues, 38 charge \$20.00 (Including Portland), 17 charge \$15.00, 6 charge \$30.00, 3 charge \$35.00, 2 charge \$40.00, one each charges \$2.00, \$10.00, \$12.00, \$14.00, \$16.00, \$18.00, \$45.00, \$50.00 and \$60.00.

Six Chapters dues include meals ranging from \$70.00 in Salt Lake to \$110.00 at/on Pike Peak - The top amount.

Oregon CSI members without Chapter affiliation:

Professional

John S. Burlingham
Ronald L. Jensen
James Kaip

Industry

Jim Brown
John W. Maddox
Stan Mortensen
Bryan L. Payant
Michael L. Rouse
Tom Shea
Ken Smelser

Student

David J. Schrom
Luis Calos Sierra
Phillip L. Whisnant

Portland Chapter Certified
Construction Specifiers

John C. Crook
Richard C. Ehmann, FCSI
Lee F. Kilbourn, FCSI
Robert MacDonald
Ivan McCormick
Rodney Moorman
Stanley Nelson
Andrew B. Olson
James T. Potter
Candace L. Robertson
Kenneth L. Searl
James A. Wright

Awards

JACK ROSS

At the October Portland Chapter CSI meeting, Cristal Arnold, on behalf of the awards committee, presented Jack Ross with a Certificate of Appreciation. The certificate read as follows:

For your significant individual contributions to the promotion of high quality workmanship in the local plasterers' union through the guidance of apprentices and job site enforcement of quality standards and for your cooperation in advancing the objectives of this Chapter and the Institute, you are awarded this Certificate of Appreciation on the 11 day of October, 1983.

Congratulations Jack

CSI History

HISTORY OF OUR PRODUCTS FAIR

When Ken Searl was our Chapter President in 1975, he kept reading reports from chapters that sponsored product fairs. The San Francisco CSI Chapter reported a net profit of over \$5000 and other chapters seemed to be making money. Well old Ken asked the Chapter's Board of Directors for permission to start a products fair in Portland and they agreed. So we went ahead. About this same time, Larry Arnold was elected to the Board and asked Ken what he could do to help and the reply was nothing at the moment, but if something came up he would be contacted. Well when permission to go ahead with the Products Fair was given, Larry was contacted and appointed to head up the Products Fair committee. That will teach him to volunteer. Ha! The other two committee members were Tom Shea and Keith Schaber. Oh yes, even today Larry still speaks with Ken. Well as you know the first Products Fair held at Thunderbird Jantzen Beach was a success under the direction of these three chapter members. Little did they know what they had started. We had 33 booths that first year. In fact they did such a good job we talked them into doing it again. One of those first two years artisans such as woodworkers, stained glass and other craftsmen were in attendance.

Dennis Obert headed up the third Products Fair, also held at Thunderbird Jantzen, and 42 booths were filled.

In 1978 Don Eggleston was our chairman. It was felt booth attendance could be increased by moving to the Sheraton, and 68 booths were filled. Don also was chairman in 1979, our fifth year, and we moved to the Memorial Coliseum. Stan Nelson was the ringleader of our committee in 1980, and the Products Fair was held at the Coliseum. In 1981 Cristal Arnold was our committee head and we went international. Several Canadian manufacturers had booths, and this fair was also held at the Coliseum.

In 1982 Bret Biggs was in charge, and in 1983 Les Seeley was our ramrod. These last fairs had good attendance - over 100 booths. Our tenth Product Fair is coming up in April 1984 and will be at the Red Lion in the Lloyd Center.

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Building News Northwest Professional
Bookstore offers discount to readers
of The Predicator!

After two years as a mail-order only technical book seller and publisher, Building News Northwest, Inc. (BNI/NW) now keeps the doors open of its new Professional Bookstore at 7177 S. W. Stephen Lane, Portland, OR 97225 open from 9 to 5 daily. Situated in Raleigh Hills, one block south of Beaverton-Hillsdale Highway just off of Scholls Ferry Road, the BNI/NW Professional Bookstore carries a large stock of state and national building codes, standards and related technical books for the construction industry - claimed to be the largest stock in the northwest. A small brochure listing State of Oregon Specialty Codes and related technical publications is available upon request. The BNI/NW staff will offer technical information and assistance in obtaining local and national specifications, and will order what they do not have in stock. To encourage the readers of The Predicator to go look, the coupon in this issue may be used.

Awareness Program

AWARDS

Institute Awards

Recognizes the talents, achievements and notable contributions to CSI and the construction industry of individuals, chapters, firms and organizations. Presentation of awards is made during the Annual Convention in June.

Specifications Competition

Each year, CSI holds a specification competition to promote the Institute objective of improving specifications practices. The judging committee selects project specifications in 15 categories. Competition criteria are announced annually in CSI publications. Awards are presented during the CSI Convention in June.

FCSI Designation

Fellow of The Construction Specifications Institute is a designation conferred on those who have been members for at least five years, who have been nominated by their peers and selected by the Jury of Fellows. Newly designated Fellows are formally inducted at the Annual Convention.

Chapter Meeting

WISH NIGHT

Dennet Latham, Program Chairman, began the meeting by having the panel of experts tell the audience their three wishes for the construction industry.

Dale Stewart of the Harver Company (Sub-contractor) started. He wished for less conflict between the boiler plate and the technical sections, that there would be more performance specifications, a shorter prior approval time, and a clarification of the word "system".

John Biglin, of Emerick Construction (General Contractor) was next. He began by criticizing the "alphabet" soup that begins many specification sections. Most General Contractors don't have all the references the Specifications Writers quote. He then listed his wishes that if architects want something they should write it in the specification, that they not put things in the specification if they don't need them and that suppliers and factory representatives should keep architects up-to-date on products that have been discontinued.

Jim Griffith, of the City of Portland Bureau of Buildings (Public Agency) was next with dreams more than wishes. He wanted everybody to have The Uniform Building Code, and read it, jobs should have one responsible person who will correlate design architecture and engineering, and that plans be approved by the City before they are sent out to bid.

Fred Gast, Jr. of SRG Partnership, P.C. (Architect) responded to one of the earlier panelist by wishing that people would use the Portland Chapter CSI Substitution Request Forms. He then raised more of a question than wish with regard to schedules - do they belong on the drawings or in the project manual? He concluded by wishing for a clearing house for all the continuing education classes that are available.

Paul Edlund, FCSI, a Specifications Consultant from Eugene then listed a wish for every member of the construction team. Paul wished that Drafters would quit specifying on the drawings, and use generic names rather than proprietary names; that Structural Engineers also not prepare specifications to be stuck on drawings; that Landscape Architects not specify the number of each type of plant in the specifications since it is shown graphically on the drawings; that Mechanical and Electrical Engineers not refer to "work by others"; that

Architects include color schedules in their bidding documents; that Specifiers line number their specifications for easy retrieval of information; that Manufacturer's Representatives tell specifiers when they make a mistake in specifying their products; and that all present read The Predicator for October because Dick Gira's column was good.

John Watson of Kaiser-Permanente (Owner) concluded the panel's presentation by wishing for coordination among Mechanical, Electrical, Structural and Architectural drawings especially regarding HVAC work and elevators.

The meeting was then opened for wishes from the audience:

Les Seeley wished for a quick selection of color and that there wouldn't be shopping for lower priced products up until the time of installation.

Inga Vrla wished that people would specify a commodity by generic name.

Jane Sampier wished that people would call the Plan Center to find out how many projects are bidding on the same day so that they wouldn't get swamped and contractors could do a better job of preparing each bid.

Jim Griffith wished the State would disseminate information on Code changes better.

Dale Stewart wished that specifiers wouldn't use the words "or approved" at all.

Jim Hirte wished the owner would give the architect more money and time so that the project would be prepared with good coordination.

Cristal Arnold wished that CPMC, AIA and CSI would have more people attend their continuing education programs.

Jolie Stricklin wished that electrical engineers and electrical contractors would realize that low voltage systems are different from high voltage systems.

Fred Gast wished the general contractor would screen the sub contractors better.

Dennet Latham wished that information could be gotten to CSI members that don't attend meetings, and also that Jim Griffith would have someone at the Portland Building Bureau become a CSI member.

Jim Griffith wished that architects would submit to them the plans of the building they intend to construct.

John Watson wished that subcontractors be pre-qualified.

Margie Largent wished that people would read The Predicator and the list of seminars that Portland Chapter CSI is sponsoring.

Les Seeley wished that architect, engineer and owner would stand behind their specifications and accept only those products that meet the specifications.

Mary Boyd wished that architects would specify the color of tile they want since there is a significant difference in cost depending on the color.

Jimmy Luey wished that we stop reinventing the wheel and that architects write what they want and mean what they write.

Dick Gira adjourned the meeting.

Portland Chapter 1983-84

President	Dick Gira	224-8226
President Elect	Betty Sherman	231-5000, Ext. 755
Secretary	Inga Vrla	635-6227
Treasurer	Ed Charles	295-0333

Board of Directors

Dennis Destefano	224-3860
Bruce Townsend	226-0622
Greg Ross	226-2921
Jim Hirte	244-0843
Karen Akeson	226-2100
John Barker	231-9118

1982-83 President	Don Eggleston	228-6444
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Committee Leaders

Products Fair, John Madrosen	241-1954
Program, Dennet Latham	222-1917
Education, Stan Carper	285-4557
Technical Documents, Stan Nelson	206/696-1651
Editor (Publications) Margie Largent	636-6977
Awards, Cristal Arnold	252-5585
Hospitality, Pat O'Brien	241-1875
Membership, Lee Kilbourn	224-3860

Region Directors

PORTLAND CHAPTER MEMBERS		
Region Awards Chairman	Bob Klas	644-4222
Awards Selection Committee	Les Seeley	287-7135
Region Technical Chairman	Ivan McCormick	226-1431
Region Operating Guide Revisions	Don Walton	643-9491
CSI Appointee to American Arbitration Association Regional Construction Industry Advisory Committee:	Bill Merritt	283-5178

Education Committee

by Stan Carper

Portland Chapter CSI will sponsor 3 more seminars:

January - Project Manual Concept

February - Specifications
Writing Principles

May - Modes of Specifying

A flyer will be inserted in The Predicator the month of the seminar.

To the Editor

ICBO Writes The Editor

Dear Sir:

In response to the opinions expressed by Ken Searl (BS by KS) in the September, 1983 issue of your publication, we offer the following comments:

1. Materials and methods of construction, specified in the Uniform Building Code and related documents are based on generic "non-proprietary" systems. Single-ply roofing systems are, to our knowledge, all proprietary systems.

2. Materials, alternate to those specified in the Uniform Building Code are accepted by building officials under Section 105 of the code, upon submission of justifying data. To assist the building official in evaluating a product with the code requirements, the ICBO maintains a research service. As can be noted from the enclosed copy of our Building Standards Part II Listing Index, several single-ply systems are currently recognized by our organization. A manufacturer may also obtain recognition of his product or system through the National Research Board, if the product is marketed nationally. ICBO is currently the secretariat for the National Research Board. Details concerning the National Research Board service are enclosed.

3. We are not aware of any single-ply roofing system that can be applied directly over existing roof-covering materials and still comply with the listing requirements as far as fire retardancy, weather barrier and wind uplift requirements are concerned. Qualifying tests conducted on single-ply systems do not normally address reroofing applications.

4. As far as the effect of entrapped moisture on roofing is concerned, we feel that this is a complex matter that would require detailed analysis of each structure by qualified individuals prior to reaching a decision on whether or

not reroofing should be permitted over the existing structure. It would be very difficult, if not impossible, to safely predict what effect entrapped moisture in a building component may have on the overall performance of the structure.

5. The Uniform Building Code has maintained its preeminent position in the field of building codes solely because it is a performance-oriented document designed to encourage the development of new building products and innovative building systems. If Mr. Searl can generate sufficient independent documentation, justifying inclusion of single-ply roofing systems in the building code (on a generic basis), then perhaps he should file for a code change. We are enclosing the necessary code change submittal forms for Mr. Searl's use.

Hopefully the above comments would help Mr. Searl and your readership understand the purpose and scope of the Uniform Building Code.

If any further amplification is desired on the above points, we would be most happy to respond.

Yours very truly,

Donald R. Watson, P.E.
Technical Director, ICBO
5360 S. Workman Mill Rd.
Whittier, CA 90601

Editor's Rebuttal:

What do you mean "Dear Sir", Sir?

Margie Largent,
Editor

From the Editor

The Board of Directors thanks you for your past support of the Portland Chapter CSI publication, The Predicator. You have been a loyal advertiser and we want to continue to keep your product and name visible; however, this year we are not using the card ads, but we ask your support in a one-time full page ad inserted into The Predicator issue of your choice.

The one-time insert would cost you \$100, and as you perhaps already know, we have a mailing list of approximately 800 - over 50% of whom are professional members of CSI or are eligible to join as professional members.

Someone will be calling to see if you do wish to advertise in this manner, but your call would be appreciated and expeditious.

Thank you and keep reading The Predicator.

Your Editor,

Margie Largent
636-6977

Coming Attractions

Dec. - Christmas party - surprise program
Jan. - Producer's Council (CPMC)
Feb. - Architect's Mistakes
Mar. - Response to Wish Night
Apr. - CSI Products Fair - AIA/CSI Joint Meeting
May - Bid Night (Contractors)
June - Fun Night

the predicator

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THE PREDICATOR



Vol. 23 No. 4

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

December 1983

President's Corner

by Dick Gira



GUIDE SPECIFICATIONS FOR
"Building a Christmas"

Part 1 GENERAL

- 1.1 Building a Christmas
- 1.2 The reader shall provide all equipment and effort necessary as described herein for completed work.
- 1.3 Details of workmanship not specified herein shall conform to the practice of human kindness.
- 1.4 Aesthetic Requirements: The experience of beauty and love externally and internally.
- 1.5 Structural Requirements: A time to look at our own human qualities.
 - A. An openness to giving and receiving.
 - B. A desire for sharing.
 1. Love and understanding
 2. Companionship
 3. Talents
 4. Time
- 1.6 Thermal Requirements: The warmth of human concern.
- 1.6 Acoustic Requirements: The music of the human heart which helps us celebrate joy.

Part 2 PRODUCTS

- 2.1 Family, friends and associates.
- 2.2 An appreciation of our fellow man.
- 2.3 Good thoughts and deeds shall be manifested throughout the year and forever.

Continued on Page 2

December Chapter Meeting

CSI CHAPTER CHRISTMAS PARTY!!

DATE: Thursday, Dec 1, 1983
PLACE: MULTNOMAH ATHLETIC CLUB
SOCIAL: 5:30 P.M.
DINNER: 7:00 P.M.
COST: \$12.00 per person

R.S.V.P. To CSI Office - 238-1462
NO LATER THAN 5:00 P.M. MONDAY,
NOVEMBER 28, 1983

PROGRAM: Mr. Ed Carpenter
Architectural Glass Artist

ED CARPENTER of Portland, Oregon, is a glass artist who designs windows for public spaces throughout the country. His recent projects include the Portland Justice Center and the Eugene Performing Arts Center in Oregon, a community center in California, and a church in Texas. Mr. Carpenter studied architectural glass design in England (1973) and in Germany (1975) under a grant from the Graham Foundation for Advanced Study in the Fine Arts. He has lectured on glass in New Zealand as a guest of the New Zealand Glass Artists Society, and has authored articles for Smithsonian, Crafts, Glass, and Glass Art. From 1975-1980 Carpenter was a board member and chaired the Building Committee of the Oregon School of Arts and Crafts. Currently he serves on the board of the American Crafts Council. When the rain lets up in Oregon he's usually backpacking, bicycling, or canoeing. Otherwise he's baking (or dreaming about) chocolate eclairs.

Many of Carpenter's designs are executed by Tim O'Neill, master glass craftsman from Troutdale, Oregon.

Ed will show slides of his most recent work and discuss his design approach to his art.

Bring a spouse or friend and come for a lovely evening of conversation, great food, and breathtaking artwork.

Editor suggests attendees go look at the barrel vault window at the Justice Center prior to meeting.



Awards 1982-83, by Janet Styner

While floating down the Willamette River last June, the Portland Chapter of CSI did present Chapter Awards to a few of the members. (My apologies for being so tardy in reporting this momentous occasion).

To Jim Davidson, Ivan McCormick, Bill Merritt, Bob Strickler and Bruce Townsend, the Chapter CERTIFICATE OF APPRECIATION, for the devotion of time and energy as a member of the 1982-1983 Board of Directors.

CHAPTER PRESIDENT'S CERTIFICATES were presented to:

Dick Ehmann, for his contribution of time and "blood" to the planning of the Region '83 Conference;

Dick Gira, for his contributions to all levels of C.S.I. Education;

Hunt Jones, for his tireless devotion and commitment to The Portland Chapter CSI; and

Don Walton, also for his contribution to the planning of the Region '83 Conference.

The CHAPTER EDUCATION AWARD was presented to Stan Carper for the development of a successful Chapter Education Program.

Les Seeley was honored with the CHAPTER PAST-PRESIDENT'S AWARD, for his years of unselfish service to The Portland Chapter and the Construction Industry as a whole.

Janet Styner was presented an award for her efforts with The Portland Chapter over the past year.

And last, but certainly not least, Perky Kilbourn was presented with a SPECIAL CERTIFICATE OF APPRECIATION for her good natured manner in accepting any assignment requested of her, in any possible environment and with sometimes unreasonable time constraints. (AMEN, Perky!!!).

Coming Attractions

- Jan. - Producer's Council (CPHC)
- Feb. - Architect's Mistakes
- Mar. - Response to Wish Night
- Apr. - CSI Products Fair - AIA/CSI Joint Meeting
- May - Bid Night (Contractors)
- June - Fun Night

President's Corner

Continued from Page 1

Part 3 EXECUTION

- 3.1 Be accessible to the needs of others.
- 3.2 Create warm feelings to those about you.
- 3.3 Inspect yourself periodically.
 - A. Allow yourself to ask questions
 1. Learn new things
 2. Learn different things
 3. Obtain other points of view
- 3.4 Prepare togetherness by involving others.
 - A. Office staff
 - B. Business associates
 - C. Family
- 3.5 Promote feelings of friendliness and love.
 - A. Smile
 - B. Cheerful
 - C. Cooperate
 - D. Enthusiasm
- 3.6 Adjust and clean inner-self.
 - A. Polish your thoughts
 - B. Expand your goals

(DIS)CLAIMER

This guide specification is intended as a basis for development of a master specification. The opinions and recommendations in these specifications are intended to foster good will. Merry Christmas to all.

Note: This specification was written and composed in conjunction with Charlie Brown, Pastor of St. Andrews Presbyterian Church, Portland, Oregon.

Mystery Guest

An out-of-town Visitor to our November Meeting was Diana M. Hamilton, CSI, Director of Specifications for Kaplan, McLaughlin, Diaz, Architects, San Francisco (Branch Office in Portland) Diana, an architect, is also a Director (Professional) of the West Region and an instructor and speaker with emphasis on specifications writing and construction documents. Please visit us again Diana and we hope to see you at the Tri-Region Conference in Monterey in September, 1985. (Monterey is "South" of the Oregon Border. See map, page 3.)

Board of Directors Minutes

Present: Akesson, Barker, Carper, Charles, Gira, Hirte, Kilbourn, Largent, Latham, Madrosen, Obert, Ross, Sherman, Vrla.
Minutes of previous meeting approved as read.
Committee reports:

Awards: Gira stressed importance of providing him with names of people we feel are deserving of an award, be they local, regional or national!

Education: Carper discussed seminar for Feb., "Spec Writing Language" by Paul Edlund, FCSI, and a forum in March on "Lien Laws".

Membership: Kilbourn distributed a new Institute printout of chapter members. Discussion of proposal by the Spokane CSI group to include our Membership Roster in a Region publication (at no charge to us). Agreed. Kilbourn is preparing packets for prospective members as handouts at the meetings, as well as for our use in garnering new members. We need four new members a month to remain at our present level of membership. Discussion of the need for preparing a new and updated local chapter directory.

Products Fair: Brochure to be ready in about a month, according to Madrosen. Discussion continued about the search for a speaker for the joint meeting...someone significant in our industry, preferably a nationally known architect, or maybe a "futurist" or an architectural critic.

Publications: Largent received an "informal award" for a GREAT LAST MONTH'S EDITION! Largent also discussed a letter received from a member about the fee for ad insert in The Predicator which the writer felt was not cost effective. Wait and see - till next year - was the general response.

Technical Documents: New Chairman is Obert.

Publicity: Joe Woods at 232-4000 is responsible for the articles which appeared in the Sunday (11-6) The Oregonian, as well as the Daily Journal of Commerce about our Tuesday meeting on Asbestos. These items resulted in a VERY LARGE attendance at the meeting, over 70 people.

Meeting adjourned at 1:15 p.m.
Respectfully submitted:
I. Vrla, Secretary

BOARD OF DIRECTORS
MEETING AT NOON
TUES. DEC. 13, 1983
CSI OFFICE
1125 S. E. MADISON

BS by KS

Basic Specs by Ken Searl

In the October 1983 issue of The Construction Specifier magazine, there is an article on Page 15 entitled "Legal Points" discussing the role of women in federal construction contracts. Two clauses have been included in federal prime contracts which state utilization of women-owned businesses (Concerns over \$10,000). Clause (B) states the contractor "agrees to use his best efforts to carry out this policy in the award of sub-contracts to the fullest performance of this contract".

The government is trying to help women-owned businesses (any business concern means a business that is at least 51% owned by a woman or women who also control and operate it.)

I guess only women can have sub-contracting firms. Evidently the federal boys do not recognize a contractor could be other than a man hence the word "his" as used in Clause (B).

For many years now I have taken the words "he" and "his" out of our contract documents, and usually when I write a letter I do not begin with a salutation, especially not "Dear Sir". How do I know the person the letter is intended for is a male or a female? Our fearless Editor once received a letter addressed to Margie Largent that began "Dear Sir". Good Grief!, can't this world ever call a spade a spade; why do they have to call it a shovel? I know it's going to be difficult, but we should all try. Once you label something with a name, it is darned hard to change it. For example, many people and some that should know better call concrete "cement", so you can see the problem we have in acknowledging that there just could be a woman at the head of an organization and in full control. By now you may be asking just what does all this have to do with specifications. Well, as you know when I was asked to write BS BY KS Column, I was told I could write what I wanted to so long as it was fit to print. So there!

How many of you read the letter in the November issue of The Predicator from the ICBO Technical Director regarding my BS BY KS discussion of why doesn't ICBO and the UBC codes recognize the new single-ply roofing in the latest code book? A statement was made in regard to single-ply systems being proprietary systems. This is not quite accurate. I guess the main problem is there are many generic systems within the single-ply systems, but generally they can be classed as

Continued on Page 4

**Richard Ehman, FCSI,
CCS, AIA**

CERTIFIED TRAIN NUT AND PAST-
PRESIDENT PORTLAND CHAPTER

I just finished listening to as knowledgeable a group as you could probably find who are concerned about getting finish flooring to stick to the floor structure. This sounds like a silly thing to become such a problem. What else should floor covering do if not stick to the floor? It appears though that it is not an easy matter to come up with a procedure to accomplish this apparently simple task that would make each of the trades involved happy with their lot in life. The very fact that there are multiple trades involved is a good part of the problem.

We have often read and heard it said that we work in "The Building Industry", when, in fact, there is no such thing. What we continue to have is a bunch of individual trades working for their own best self interest with not nearly enough thought given to the other trades. General contractors and architects attempt to fill in the sizable gaps between all of these trades with words that are seldom read until there is a problem and then each word is probed to make someone else responsible.

The speakers at the symposium on Moisture in Floors spoke of many things, but the one overpowering background theme that was never actually stated appeared to be that the last person who could do it right, the great American workman, doesn't seem to care. Everything that was mentioned as a possible reason for failure was a standard construction operation that should only be done one way and that is the right way. Instead we heard of vapor barriers being punched by stakes, feet, shovels, etc.; barriers not having the joints sealed; barrier penetrations not sealed; reinforcing mesh improperly located; barriers not being turned up to the top of the slab at the perimeters; and no heat or light in the building when required. Nearly all of these things are done right or wrong by the last person who touches the building materials. If he has no pride in his work or just doesn't care, then what are we trying to attain?

To eliminate the feeling that I am picking on the floor covering trades, there is a long list of similar failings elsewhere in the "building industry". For example, there is the mason who is so careless or blind that he installs a concrete block with the greatest concave surface immediately adjacent to the block with the greatest protrusion instead of parceling out the units with maximum



COLD REGIONS ENGINEERING SEMINAR

The Oregon Section of the American Society of Civil Engineers is sponsoring a 5 day seminar on "Cold Region Engineering". The course will be presented January 12 thru 16, 1984 and will be taught by Dr. Zarling and his staff from the University of Alaska. Successful completion of this course and final exam meet the requirements for professional engineers and architects to receive reciprocity with the State of Alaska.

Enrollment will be limited to 40 participants.

Cost: \$490.00 per person

Contacts: Don Ruff
503 - 230-5569
Jory Abrams
503 - 224-9190

Location: Red Lion Inn
at Lloyd Center
1000 N. E. Multnomah
Portland, Oregon
503 - 281-6111

tolerances for a more pleasing effect. He installs chipped or broken units. He does not clean and true up joints as laying proceeds. Reinforcing, expansion joints, inserts, etc., are not installed to dimensions needed by other trades that follow.

There is the painter who waters down the materials, omits coats, sprays when roller or brush is the proper application method, who will paint over an obvious spackle blob instead of fixing it or having it fixed, who doesn't protect adjacent surfaces, etc.

There are roofers who slobber asphalt down a painted wall, who won't cover roof drains to keep debris out, and on and on.

No one seems to care about what problems their oversight, omission or conscious error causes the next trade, nor the owner in the long run. The trades and the unions all agitate and strike and lobby for more money, more benefits, and more pay for less work, but few of them seem to want to educate their people along the lines of more pride in a job well and properly done, that will function as intended for the

Northwest Region

1. Cook Inlet (Anchorage, AK)
3rd Tuesday of the Month
6:30 p.m., Anchorage International Inn
2. Idaho (Boise, ID)
1st Tuesday of the Month
6:00 p.m., Old World Catering
3. Portland (Oregon)
2nd Tuesday of the Month
location varies
4. Puget Sound (Seattle, WA)
2nd Thursday of the Month
5:30 p.m., The Canal Rest.
5. Spokane (Washington)
2nd Thursday of the Month
6:00 p.m., Rocking Horse
6. Willamette Valley (Eugene, OR)
Last Thursday of the Month
Bev's Steak House
7. Victoria, B.C.
1984 Region Conference



8. Monterey, California
1985 Tri-Region Conference

DALLAS
in
'84

JUNE 16-18
CSI CONVENTION

PLAN ON IT!

life of the building, and that will be a credit to all concerned. Something like that, if done too often, might just foster more new work instead of hundred item punch lists, repeat business from happy clients instead of callbacks and repairs so the project will last through the guarantee period, and new jobs in the busy, profitable "building industry" that would result.

BS by KS

Continued from Page 2

EPDM, PVC, PIB, Modified Bitumen, etc., so I fail to see why the UBC cannot define proprietary systems generically. It will require a bit of arranging, but I'm sure it can be done. Apparently I have opened up a Pandora's box when I wrote about single-ply and other systems, but I strongly feel it is the best time to acknowledge and formulate codes for the usage of these systems. For your information, the local chapter of the National Roofing Contractors Association has appointed a committee to request a code change covering new roofing systems with the Oregon State Dept. of Commerce. I also intend to file a request for a code change. I am gratified to see we are now getting some action on this subject.

PS to BS by KS

Dick Gira's column for November asked a question "Are specification writers born--- or made?" Well, I come under the latter. One time I complained about the specifications so now I am a spec writer. As my old Navy buddy used to say, never volunteer or complain or you will find yourself in hot water.

**New Handbooks/
Manuals/Standards****ASTM RELEASES BOOK ON SINGLE-PLY
ROOFING TECHNOLOGY**

A special technical publication on Single-Ply Roofing Technology (STP-790), now available from ASTM, reflects the rapidly rising interest in sheet-applied elastomeric and plastomeric roofing materials.

ASTM is a nonprofit organization based in Philadelphia with over 30,000 members responsible for the development of nearly 7,000 voluntary consensus standards used by industries and consumers worldwide.

120 pages, 6 x 9
Soft Cover
Member Price: \$11.40
List Price: \$14.25
PCN:04-790000-10-30

NEW ROOFING MANUAL

The Roofing Industry Educational Institute has announced the availability of their new manual entitled "DICK FRICKLAS SPEAKS". The manual is divided into ten sections. These include such subjects as:

Roof Surveys
Flashing & Roof Details
Specifications
Fire & Wind
Moisture & Condensation
and many more

The papers and articles will be in a 3-ring binder, and each year additional articles and papers will be available at a nominal cost.

The complete price for the "DICK FRICKLAS SPEAKS" manual is \$25 and includes postage and handling fees. The manual can be ordered by mailing a check to:

Roofing Industry Educational
Institute
6851 South Holly Circle
Englewood, Colorado 80112

**STEEL FRAMING SYSTEMS DETAILED IN
NEW GUIDE FROM U.S.G.**

A comprehensive designers' and builders' guide to steel framing recently was published by United States Gypsum Company. The 64-page illustrated booklet offers technical information on the design and installation of steel framing in commercial, institutional and single- and multi-family residential buildings.

For more information, contact United States Gypsum Company, 101 South Wacker Drive, Dept 122-ZZ, Chicago, Illinois 60606.

**NEW STANDARD FOR STRUCTURAL GLUED-
LAMINATED TIMBER - ANSI/AITC A190.1 -
1983.**

By Russ Wibbens
Executive Vice-President
American Institute of Timber
Construction

Since 1973, ICBO-approved quality control agencies for structural glued-laminated timber have based their quality control services upon applicable Uniform Building Code Standards. The American Institute of Timber Construction (AITC) is recognized as one such quality control agency in ICBO Research Report No. AA-509. AA-509 requires products to be manufactured in accordance with U.B.C. Standard No. 25-10, which is based upon Voluntary Product Standard PS 56-73, "Structural Glued Laminated Timber." Development of PS 56-73 was initiated by AITC with the cooperation of the National Bureau of Standards under the "Procedures for the Development of Voluntary Product Standards" of the U.S. Department of Commerce. AITC decided at that time to revise the PS 56 and submit it for approval under the procedures of the American National Standards Institute. The National Bureau of Standards agreed to extend the retention period for PS 56 until this change could be effected.

ANSI is a nationally recognized coordinator of voluntary standards development and a clearing house for information on national and international standards. ANSI's approval procedures for recognizing standards as American National Standards ensure a consensus of affected interest. One of its approval procedures is the canvass method which AITC used in revising PS 56. Under this method, interested parties are notified of the development of a proposed American National Standard and are given the opportunity to vote on its approval.

The new standard, designated ANSI/AITC A190.1-1983 "Structural Glued Laminated Timber," has been approved as an American National Standard by the ANSI Board of Standards Review. The approval date was June 3, 1983.

PS 56-73 incorporates by reference the Inspection Manual, AITC 200-73. Likewise, U.B.C. standard No. 25-10 incorporates some of the testing procedures of U.B.C. Standard No. 25-23, which is based upon AITC 200-73. Concurrent with the development of A190.1-1983, AITC revised the Inspection Manual, and the new document is designated AITC 200-83.

AITC will transfer its basis for quality control services from PS 56-73 to ANSI/AITC A190.1-1983, effective September 1, 1983. A request for a research report for A190.1 has been submitted to and is being considered by the National Research Board.

Principal differences between A190.1-1983 and PS 56-73 are in the areas of depth tolerances, grade marking of tension laminations, use of short lengths of lumber, moisture content, inserts, appearance grades, use of melamine urea adhesives, shear values for face-joint bonding, lumber temperature, end-joint thickness tolerances, end joints in core areas, spacing of end joints when proof loading is used, and sampling and daily testing of end joints. Details about these differences may be obtained from AITC headquarters.

New AITC Quality Inspected marks will be utilized after September 1, 1983, and will include reference to ANSI/AITC A190.1-1983 instead of PS 56. Building officials will be required to inspect to the provisions of A190.1 instead of PS 56, looking for the new Quality Inspected Marks after that date.

(This story first appeared in the September-October, 1983 issue of Building Standards; published by ICBO.)
(Lee Kilbourn got a copy of the new Standard by calling AITC on their 800 number.)

November Chapter Meeting

Dick Gira began the meeting by introducing Diana Hamilton, West Region Director, and Dave Thomas, Northwest Region Director. Dave Thomas discussed events at the last meeting of the CSI Institute Board.

1. Membership Classification - Student members must be enrolled in a full-time program related to the Construction Industry.
2. Certification of Industry members - still being contemplated.
3. CSI Convention - Dallas next June. Booths sales are ahead of last year.
4. Deficit at end of CSI's fiscal year - less than expected.
5. Tri-Region Conference is September 5 thru 8, 1985 at Monterey, California - should be a vital exchange of information.
6. Northwest Region Conference April 26 to 28, 1984 - Dave then showed pictures of what we will be seeing in Victoria, British Columbia.

Dennet Latham then introduced the program on Removal of Hazardous materials, primarily asbestos. The two speakers were:

Margaret McCue, Information Representative for Air Quality Division of the Department of Environmental Quality, and Laura Barlow, Industrial Hygienist, and Assistant District Manager, Accident Prevention Division of Workers' Compensation Department. Mike Lewis of Building Products Management was not able to attend.

Margaret McCue said she was usually involved with backyard burning and wood stove pollution.

Asbestos is a hazardous air pollutant which causes Asbestosis, a progressive lung disease and Mesothelioma, a specific type of cancer which affects the lining membrane of the lung surface (pleura) or a similar membrane lining some abdominal organs.

People are required to notify the Department of Environmental Quality (DEQ) if they are going to remodel a commercial building which may contain asbestos. DEQ's rules are designed to keep asbestos out of the air and out of people's lungs.

1. You must wet the material during all stages of demolition and handling.
2. Asbestos should not be dropped or thrown more than 50 feet; and if distance is greater than 50 feet, then you must use a dust-tight chute or container.

3. Workers must not allow visible emissions to escape into the air.

Once you receive permission to remove the asbestos, it must be dumped in a DEQ asbestos-acceptable landfill.

Laura Barlow then spoke and explained that the Occupational Safety and Health Act of 1972 provided that states could set up their own accident prevention departments. These departments would then monitor situations which might harmfully affect workers such as asbestos aerosols.

The Accident Prevention Division of the Workers' Compensation Department does several things:

1. Takes samples of materials and determines if they contain asbestos.
2. Takes air samples before and during demolition work to determine the asbestos in the general area and on the person doing the demolition work.
3. Checks to be sure all the rules and regulations are conformed to.
4. Requires that asbestos removal be done in a wet manner to prevent airborne asbestos.
5. Requires that employees be trained and aware of the hazards of asbestos.
6. Requires that employees working with asbestos demolition have a medical exam including a chest x-ray and lung function test.
7. Requires that warning signs be posted in the area where demolition work is being done (Do not enter unless wearing protective clothes).
8. Requires that sealed, impervious containers be used for asbestos removal.
9. Requires that surfaces be free of asbestos when work is finished.

If the Accident Prevention Division comes as a Consultant, then the employer agrees first to correct the deficiencies found by the Accident Prevention Division. If the inspection is by a Compliance Officer, then violations will be cited and a penalty given.

Current permissible exposure level to asbestos is two fibers of asbestos per ml of air. The ceiling standard is 10 fibers of asbestos per ml of air for 15 minute time samples. On November 4, 1983, the exposure was reduced to 0.5 fibers of asbestos per ml of air. Correction of situation can be done by Engineering changes (ventilation or air handling) or personal protection (protective masks and clothing) or work practices (wetting surfaces).

If you want more information, contact Department of Environmental Quality - 1-800-452-4011 or 229-6488; Accident Prevention Division for East Portland and the East Counties - 239-8600; for West Portland and West Counties - 643-0100.

CSI Trivia Certified Construction Specifiers

Certified Construction Specifiers need not belong to CSI to be certified by CSI. Am I not right?

Certification is renewable every three years. Certification exams will be given at three or more locations in 1984 - watch for details.

Should CCS's be CSI members in good standing in order to be CCS's?

directory update due

Once again it's time for each member to review their listing in the Portland Chapter Annual Directory. Remember? It's the 40 page listing of members with their firm name, personal information if authorized, classifications according to the 16 Division CSI Masterformat, chapter bylaws, and a sheet for corrections. The Directory has green covers with an addendum mailed to members last April.

The current edition was compiled in November 1982, and copies were mailed to members at that time. If you've joined since then, visit the Chapter office at 1125 S.E. Madison #200 and pick up a copy. If you're not a member, copies are available for a reasonable sum (but the membership committee thinks membership at \$120 per year is preferable). The chapter will mail applications, but not rosters.

The goal of this effort is to provide to Portland Chapter members a comprehensive, classified directory using categories from the 1983 edition of CSI's Masterformat.

We've tried to use "Broadscope" titles as much as possible, and these titles include several or all "Narrowscope" titles (down to the next "Broadscope" title. When a Narrowscope title is preferred, we'll list only one under each Broadscope title.

Please mail your revisions to the Chapter Office by December 15, 1983 in order for the Committee to get the Directory published soon after the first of the new year.

Education Committee

by Stan Carper

Portland Chapter CSI will sponsor 4 more seminars:

January - Project Manual Concept
February - Specifications

Writing Language
(Paul Edlund)

March - Lien Laws
May - Modes of Specifying

Cost: \$12.50 Non-member
\$10.00 Member
\$ 5.00 Student

Approximate time: 3:15-5:15 p.m.
preceding chapter meeting

A flyer will be inserted in The Predicator the month of the seminar.

Portland Chapter

1983-84

President Dick Gira 224-8226

President Elect
Betty Sherman 231-5000, Ext. 755

Secretary Inga Vrla 635-6227

Treasurer Ed Charles 295-0333

Board of Directors

Dennis Destefano 224-3860
Bruce Townsend 226-0622
Greg Ross 226-2921
Jim Hirte 244-0843
Karen Akeson 242-9053
John Barker 231-9118

1982-83 President
Don Eggleston 228-6444

Committee Leaders

Products Fair, John Madrosen 241-1954
Program, Dennet Latham 222-1917
Education, Stan Carper 285-4557
Technical Documents,
Dennis Obert 245-7802
Editor (Publications)
Margie Largent 636-6977
Awards, Cristal Arnold 252-5585
Hospitality, Pat O'Brien 241-2875
Publicity, Joe Wood 232-4000
Membership, Lee Kilbourn 224-3860

Region RESPONSIBILITIES for Portland Chapter Members:

Region Awards Chairman
Bob Klas 644-4222
Awards Selection Committee
Les Seeley 287-7135
Region Technical Chairman
Ivan McCormick 226-1431
Region Operating Guide Revisions
Don Walton 643-9491

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 283-5178

SPEAKERS NEEDED

The Education Committee would like a speaker resource list for the Northwest Region to be kept on file at CSI's National Office.

The speakers are to be used for "in-house" seminars and instructional workshops conducted for corporations and agencies desiring their staff to become familiar with CSI formats, or to put a master spec into language suitable for a computer bank or word processor, or to adapt Division 1 to their own industry or problems, or -

This speaker resource list is open to professional members and qualified industry members who may be experts in one or more divisions. The speakers will receive a fee for their efforts.

Please contact Stan Carper 777-2204 or CSI Office 234-0281

To the Editor

Dear Margie:

I would like to correct the October chapter minutes to read as follows:

Jane Sampier wished Architects, Engineers, and Owners would call the plan centers prior to setting a bid date to find out if any major projects are bidding on the date they anticipate. Contractors, Subs, and Suppliers could do a better job of preparing a bid than if two or more large jobs are bidding on the same day.

Sincerely,

Jane Sampier

Dear Ken

This letter is to advise you that the Roofing Contractors Association of Portland is developing proposals for a more comprehensive re-roofing code which we would like to present to CSI for comments from its members. After CSI members' comments are integrated into the proposed revisions, we would then jointly forward the proposed revisions to the State of Oregon Structural Codes Advisor Board, State Fire Marshall, and other code officials in an effort to resolve problems relating to our re-roofing code.

Our 11 contractors and 20 associate members have already begun work on what we consider a must for our industry. We are looking forward to a mutually beneficial relationship with CSI.

Should you, or any specifier, have any questions regarding our efforts, please call me at 228-3387.

Yours very truly,

James R. Watts

From the Editor

*Happy Holidays
Margie*

the predicator

1125 S.E. Madison, #200
Portland, OR 97214

Address Correction Requested

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Beaverton, OR 97005

THE PREDICATOR



Vol. 23

No. 5

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

January 1984

President's Corner

by Dick Gira



CSI AND CREATIVITY

Can specification writers be creative? Should they be? Does creativity suggest change? Why should things change? Is there some virtue in constancy?

Consciously or unconsciously most organizations, even C.S.I., do not necessarily encourage creativity. Some will say this makes sense, because it would be chaotic to live and work in a constantly changing atmosphere without some kind of balance or control.

We need to impose some sort of control in this age of technological explosion lest our organization fly apart in a chaos of informational overload. To combat these ever pressing changes, we have resorted to procedures, standards, manuals, reports and objectives...all the things needed to convince us that everything is under control.

What about the opposite approach...an orgy of creativity at the expense of order. Literally nothing getting done because there just must be a better or different way to do it.

Additionally one of the keys to any organization is the ability or even recognition of the organization to realize that some organizational housekeeping is in order periodically. The problem is that systems are usually installed without automatic self-destruct mechanisms which in turn causes organizations to lean too heavily on the side of complete orderliness.

Continued on Page 2

January Chapter Meeting

Date: January 10, 1984 (Tuesday)
Time: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Meeting
Place: Thunderbird at the Coliseum
Cost: \$10.00 per person
RSVP: CSI office - 238-1462
by Friday Noon, January 6, 1984

PROGRAM: Manufacturers' Night

Representatives from CPMC, Construction Products Manufacturers' Council, will sponsor the January meeting. The intent of the program is to discuss

- 1) What services the design profession expects from the manufacturer and,
- 2) How CPMC and manufacturers in general can best serve the needs of the design profession.

The presentation, which will include an architect and a manufacturers representative, will touch on how manufacturers can assist architects, engineers and specification writers in learning about new products, learning new things about old products, developing specifications and creating new products.

If you have questions, comments or concerns about how manufacturers can best serve your business, come to this important meeting.

Tabletop Display

Our program this month is a general topic. Any member of CSI interested in displaying products of a general nature should contact Gary Zsgelow at 655-7166.

Coming Attractions

Feb. - Architect's Mistakes
Mar. - Response to Wish Night
Apr. - CSI Products Fair - AIA/CSI
May - Bid Night (Contractors)
June - Fun Night

Directory Update

Once again it's time for each member to review their listing in the Portland Chapter Annual Directory. Remember? It's the 40 page listing of members with their firm name, personal information if authorized, classifications according to the 16 Division CSI Masterformat, chapter bylaws, and a sheet for corrections. The Directory has green covers with an addendum mailed to members last April.

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Please mail your revisions to the Chapter Office in order for the Committee to get the Directory published soon after the first of the new year.

New Members

New Members since list published in October 1983 issue of The Predicator:

Warren Chopp
Northwest E P S, The Dalles

Richard D. "Dick" Cunningham
R. D. Cunningham Co.

Peter Ebert
Donald M. Drake Company

William L. "Bill" Hite
Morse Brothers Prestress, Inc.

Hoichi Kurisu
Landscape Designed by Kurisu, Ltd

Garry E. Laine
Pacific Coatings, Inc.

Continued on Page 6

President's Corner

Continued from Page 1

As in most situations...moderation seems to be the correct approach. A portion of order and tradition and a portion of creativity and change will probably bring the best results. For instance: our C.S.I. technical documents have been created to fulfill a desired need. Some of these same documents have been revised or even dropped and new concepts are being created and written at this very moment, hopefully with the premise that these new documents will help design specifications which will not inhibit or impede...but rather, will improve and insure the quality of the work.

Where does C.S.I. fit in? Do we change our "systems" too frequently or are we just the opposite...too rigid and overly regimented? Perhaps we are a little of both. Where are we...where should we be?

BOARD OF DIRECTORS
MEETING AT NOON
TUES. JAN. 10, 1984
CSI OFFICE
1125 S. E. MADISON

AIA - AGC - CSI

The AGC-AIA-CSI Joint Committee met on December 6, 1983 at 12:00 noon with 11 persons in attendance. Printed copies of Construction Closeout Procedures were passed out to members.

Our topic of discussion for the meeting was Contractor's Liability Insurance and Owner's and Architect's Insurance. Primarily the discussion centered on Contractor's Insurance. Two insurance people were in attendance to give us their viewpoints and general information.

Our main question and discussion covered just how much insurance is adequate. It appears that the minimum should be not less than \$500,000, \$500,000 with \$2,000,000 umbrella. In most insurance policies hard losses are covered but soft losses usually are not addressed. All Risk Insurance needs more information as to just what is covered. At the next meeting these items will have been researched, and recommendations will be made covering what insurance should be required in a construction contract.

Board of Directors

Minutes

December 13, 1983

Present: Barker, Charles, Gira, Hirte, Largent, Davidson, Townsend, Obert, Sherman, O'Brien, Ross.
Minutes of previous meeting were approved as read.

Treasurer's report: read and approved. \$1,592.00 in checking account. Discussion about cost of Christmas party (short-fall due to "no shows").

Awards: Arnold absent, discussion as to whether an award was in order for a member retiring due to ill health.

Hospitality: Cash box contributed by Mark Carpenter sans cash, but thanks!

Membership: Kilbourn absent (but committee met) no report. Request of President for new member list to be published.

Products Fair: Still looking for speaker.

Programs: Discussion on how meal money situations handled by other groups.

Publications: Largent pleased that paper did get out prior to December 1 meeting. Notified by Gira that Larry Arnold is the Portland Chapter member coordinating with the Region Conference Committee.

Technical Documents: Obert told of two work areas. (1) McCormick (Region Technical Chairman) gave Obert 15 TAS documents to update, (2) Monograph Series and Project Manual Development Guide.

Old Business: Davidson reported on ad hoc Committee "Moisture Specification Seminar" (October 19, 1983). Board discussed publication. No decision made.

New Business: Ross told of new ASHRAE Standard 62-1981.

Respectfully submitted for Vrla by Largent.

Mystery Guest

There were several mystery guests not at the December meeting. For mysterious reasons they failed to show after having made reservations, and missed a good program, a good meal and left our treasury short by several hundred dollars. Next year the Board will probably handle reservations on a pre-paid basis. Watch for another good party!

BS by KS

Basic Specs by Ken Searl

Elsewhere in this issue of The Predicator you will find an article regarding Construction Contract Insurance. For years many of us have been listing insurance requirements in the Supplementary Conditions in amounts we thought were satisfactory or adequate. As an example our specifications for private work and some public work lists not less than Bodily Injury at \$200,000 per person, \$500,000 per occurrence and Property Damage of \$500,000 per occurrence plus an umbrella of not less than \$1,000,000 with not more than \$10,000 deductible. Some Public Work agencies show less than this and I usually try to talk them into increasing up to figures listed above.

I have discovered that many if not most contractors already carry more than our requirements. It seems that the umbrella in most cases today is written for \$2,000,000 or more. When the AGC-AIA-CSI committee completes their present assignment on construction insurance requirements we will have definite printed recommendations. One important item to remember is that dollar size of the project has no direct bearing on the amount of insurance required. A small contractor can be sued for a horrendous amount just as well as a larger contractor.

It seems to me that now is the time for all of us to take a close look at our insurance requirements. Sometimes things that go along for a long time have a habit of jumping up and biting us when it is the least expected. One of the most important items in specifying insurance requirements is to be sure and state "not less than" with dollar amounts shown. If you don't, you could be in for possible big trouble later.

Don't forget to attend our next Northwest Region Conference in the Empress Hotel (always did want to stay at the Empress Hotel, the conference rates are good but one word of caution: on the lower level there are a lot of beautiful gift shops that would just love to take your money) in Victoria BC on April 26-27 and 28, 1984. I understand the Construction Specifications Canada will have members attending from both the Vancouver and Victoria Chapters. Also there is a rumor that a specifier from Edmonton will be in attendance.

SDI-100 Revised

James E. Pearce
Member Steel Door Institute
Technical Committee

The Steel Door Institute has revised their SDI-100 "Recommended Specifications Standard Steel Doors and Frames" to depict the products that are on today's market.

SDI-100 has categorized door constructions by "Types" and "Styles" since its inception. This revision has obsoleted certain door constructions ("Styles") forcing the renumbering of the door "Styles" section of the standard. To avoid confusion the old "Types" have been changed to "Grades" and the old "Styles" have been changed to "Models". This change allows the user to immediately recognize which door has been specified whether from the new standard or the old. A Type 1 Standard Duty Door is now classified as a Grade 1 Standard Duty Level C Door. A reference chart showing the old "Types" and "Styles" has been included in the appendix.

The Level A, B, or C has been added to each Grade to give the user an indication of the doors structural integrity based on ANSI A151.1 "Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcements". This testing is your assurance of the quality that can be expected from each Grade.

Several other changes have been made in the standard. A more detailed explanation of galvanized steel coatings used in standard steel doors and frames has been added.

A new door height, 7'10", has been added to the opening size chart for 1 3/4" doors.

The chart listing the hardware reinforcement gauges has been changed to represent the latest testing results of the Institute Members.

The 1/2 Hour (30 min) and 1/3 Hour (20 min) door and frame have been added to the standard.

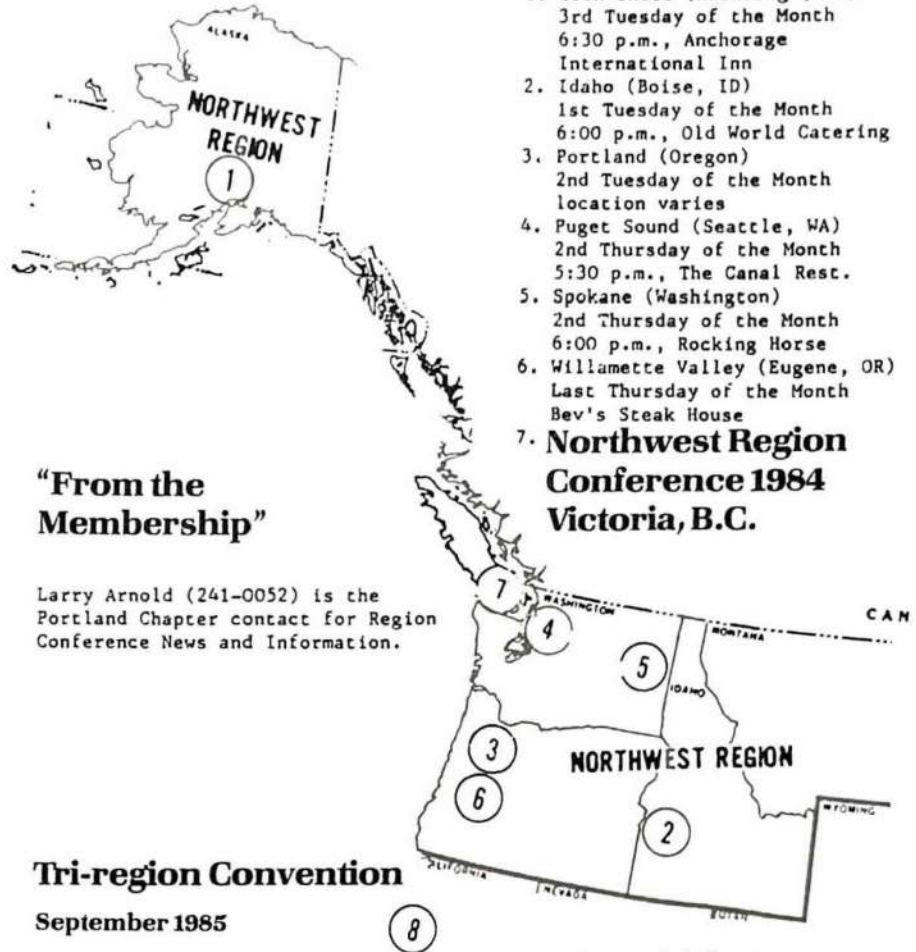
A definition section has also been added to the appendix. The first inclusions are the definitions of "Composite Doors" and "Hollow Metal Doors".

All in all the new SDI-100-83 is easier to read and represents the results of today's technology.

Every specifier should have a copy of the Steel Door Institute's SDI-100-83. To receive your copy write the Steel Door Institute at 712 Lakewood Center North, 14600 Detroit Avenue, Cleveland, OH 44107.

Northwest Region

1. Cook Inlet (Anchorage, AK)
3rd Tuesday of the Month
6:30 p.m., Anchorage International Inn
2. Idaho (Boise, ID)
1st Tuesday of the Month
6:00 p.m., Old World Catering
3. Portland (Oregon)
2nd Tuesday of the Month
location varies
4. Puget Sound (Seattle, WA)
2nd Thursday of the Month
5:30 p.m., The Canal Rest.
5. Spokane (Washington)
2nd Thursday of the Month
6:00 p.m., Rocking Horse
6. Willamette Valley (Eugene, OR)
Last Thursday of the Month
Bev's Steak House
7. Northwest Region
Conference 1984
Victoria, B.C.



"From the Membership"

Larry Arnold (241-0052) is the Portland Chapter contact for Region Conference News and Information.

Tri-region Convention

September 1985

8. Monterey, California
1985 Tri-Region Conference

ANNUAL CONVENTION

(1984 Convention and Exhibit to be held June 16-18 in Dallas, Texas)

Technical Program

Features speakers of national and international reputation in presentations for those involved in the construction industry.

Annual Meeting

Elected Institute officials and delegates from chapters formally conduct Institute business.

Exhibit

The largest nonresidential construction products, materials and services exhibit in the United States.

Social Programs

A Friday evening get-acquainted cocktail party; a Saturday night party sponsored jointly by CSI and the McGraw-Hill Information Systems Company. Sunday evening, Exhibitors' hospitality suites and "do-your-own-thing" on the town; Monday evening, the President's Banquet and presentation of special awards.

Special Programs

For spouses, youths and sub-teens.

DALLAS IN '84

JUNE 16-18
CSI CONVENTION

PLAN ON IT!

New Handbooks/ Manuals/Standards

STANDARD TEST FOR PREPAINTED SHEET FLEXIBILITY IS APPROVED BY ASTM

The flexibility of painted metal sheets that are fabricated into building siding, guttering, and other such products can now be determined through a standard test method recently developed by ASTM Committee D-1 on Paint and Related Coatings and Materials.

For more information on this standard or on other related activities of Subcommittee D01.53, contact Robert A. Cassel, Amchem Products, Brookside Avenue, Ambler, Pennsylvania 19002, 215/628-1327; or Philip Lively, ASTM Standards Development Division, 1916 Race Street, Philadelphia, Pennsylvania 19103, 215/299-5481.

STANDARDS FOR DEMOLITION OPERATIONS AND CONCRETE AND MASONRY WORK ARE REVISED

Safeguarding workers and the public and preventing damage to property is the goal of two revised standards for demolition operations and concrete construction and masonry work just published by the American National Standards Institute.

ANSI A10.6-1983 set safety requirements for machine and hand demolition operations performed by contractors and other works, specifies the maximum allowable weight for demolition balls, guidelines for blasting operations, etc.

ANSI A10.9-1983 provides safety requirements for on-site concrete construction and masonry work, which replaces a 1970 edition and includes specifications for reinforcing steel, cement handling, concrete placement, vertical shoring, precast concrete, and masonry construction.

The American National Standards Institute is a private, nonprofit organization that coordinates the development of voluntary national standards, approves American National Standards, and represents U.S. interests in the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).

ANSI A10.6-1983 and ANSI A10.9-1983 are available upon request to Walt Gelles, ANSI Communications Department.

NEW DAYLIGHTING PUBLICATIONS AVAILABLE - THE NATIONAL FENESTRATION COUNCIL ANNOUNCES "A DAYLIGHTING MODEL FOR BUILDING ENERGY SIMULATION"

The NFC combines research data and effective communication to influence those who are designing and building homes and offices. The overall goal of the organization is to help the building industry provide aesthetically pleasing, highly livable or workable, energy efficient buildings which will be marketable both in the 1980's and for the future.

Copies are available from the: National Fenestration Council
3310 Harrison
Topeka, Kansas 66611
@ \$10 per copy and
\$2.50 per copy for postage and handling

NEW PUBLICATION COMPILES PARTICLEBOARD REFERENCES IN BUILDING CODES, STANDARDS, AND GOVERNMENT BULLETINS

References to particleboard found in industry standards, model building codes, and government regulatory agencies for use in building construction have been compiled and published as a complete, single-volume guide by the National Particleboard Association.

The publication, "References to Particleboard by Building Codes and Regulatory Agencies", is designed to build awareness among municipal, county, and state building departments of the many applications for which particleboard is referenced. It is being mailed to over 2,500 departments throughout the country.

The new NPA publication reproduces the excerpts relating to particleboard in each of the three model building code organizations. It also reproduces the ANSI standard, HUD's UM bulletins relating to particleboard, and the one and two family dwelling codes.

All particleboard products are cross-referenced to identify the various building codes and government regulatory agency documents in which particleboard products are mentioned.

WASHINGTON, D.C.: LIGHTING ENERGY MANAGEMENT FOR OFFICES AND OFFICE BUILDINGS

Lighting Energy Management for Offices and Office Buildings is the title of a new 40-page guide available from the National Lighting Bureau (NLB). The new publication

relies on lay language and numerous photographs, drawings, tables and charts to explain the many bottom-line benefits which good lighting provides in and around office buildings, as well as specific techniques to obtain more of these benefits while minimizing energy consumption and cost.

Published jointly with the Building Owners & Managers Association International (BOMA), Lighting Energy Management for Offices and Office Buildings is available from the NLB at a cost of \$5 per copy (\$6 per copy outside the U.S.); remittance must accompany each order. The NLB also has a comprehensive publications directory available without charge, by contacting the National Lighting Bureau, 2101 L Street, N.W., Suite 300, Washington, D.C. 20037.

SMOKE CONTROL DESIGN MANUAL PUBLISHED BY ASHRAE

Smoke is recognized as the major killer in building fires. It often migrates to building locations remote from the fire space, threatening life and damaging property.

In response to this smoke problem, an engineering design manual entitled "Design of Smoke Control Systems for Buildings" is now available. The manual is the result of a three-year research project sponsored by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE), the National Bureau of Standards (NBS) and the U.S. Veterans Administration. John H. Klote, project engineer for Smoke Control in the Fire Safety Technology Division of the NBS, and John W. Fothergill, Jr., staff engineer, Integrated Systems, Inc. (a Maryland corporation), are principal authors for the project.

At the present time, ASHRAE is sponsoring 35 research projects at an annual budget exceeding \$1 million. ASHRAE research is directed not to the development of products but to the discovery of principles that can be applied for the improvement of technology and products.

"Design of Smoke Control Systems for buildings" is available to ASHRAE members for \$20; nonmembers for \$40. To order, send a check made payable to ASHRAE at the following address: ASHRAE Publications Sales; 1791 Tullie Circle, N.E.; Atlanta, GA 30329.

The manual will go on sale at the Government Printing Office later this year.

Continued on Page 5

December Chapter Meeting Minutes

Dick Gira opened the Portland Chapter CSI Christmas Party by giving gifts from the Board of Directors to Hospitality Chairman, Pat O'Brien and Program Chairman, Denet Latham.

Denet Latham then introduced our speaker Ed Carpenter, an architectural glass artist, who began with a thought that specification writers should keep in mind:

"Window Openings and Budgets for stain glass should both be as large as possible."

Ed then began showing us slides of his various projects. He discussed how he designs windows by trying to relate the window to the architectural design of the building. The mullions of the windows are used as the geometric prerequisite for his design.

PROJECTS

UNITED CHURCH OF CHRIST in Forest Grove has a window behind the altar in which the congregation wanted some stained glass. Ed showed us a picture of what he first showed the congregation - the type of glass he wanted to use in the window. Next Ed made a design (1" to the foot) of the actual window to see how it looks. His client was concerned about the lack of color in the window but the trees behind the window add color to the window which color varies depending on the season.

SCHOOL OF ARTS AND CRAFTS was a different type of project because the client wanted a passive window which would not detract from the use of the area as an art gallery. Ed also wanted the window to be very transparent because of the changing north sky. The finished window was composed of transparent and translucent glazing in a pattern of circles within squares and just squares.

THE STATE EXECUTIVE OFFICE BUILDING in Salem with a clerestory in a three-story open atrium was the next project he discussed. The clerestory was four feet high, by 100 feet around and was located just below the ceiling which contained a circular skylight. Multiple circles were arranged within large square windows so that people's eyes would be drawn from the bottom to the top of the clerestory.

EUGENE PERFORMING ARTS BUILDING project was the bridge from the parking structure to the auditorium. It needed to help make a transition from the informal parking structure to the formal auditorium. A mixture of coated reflective glass and patterned glass was used.

The OMARK INDUSTRIES SAW CHAIN DIVISION HEADQUARTERS had a building with a space at the top of a flight of stairs that needed a screen to divide the stairwell from the executive offices. He wanted to match the shadows which fell on the stairs as well as the design of the stairs in a "sawtooth" pattern.

COMMUNITY CENTER IN CARSON, CALIFORNIA had a lot of vertical lines, and Ed used the stepping form of the building in his design for the long vertical window in the lounge. Since transparent glass was to be used in the window, Ed used Xerox pictures of trees in designing the window. This allowed him to get the effect the trees would make behind the window after the window was installed. Laminated blue and yellow glass was used in this project which gave an interesting green colored effect.

The design for the barrel vault in the JUSTICE CENTER in Portland followed a competition. Ed used the "T" design of the building as well as the window form of the jail area to get an overlapping pattern. He made a scale model which he could hang on a model of the building which had been made by the person commissioned to prepare a sculpture for the building. Thus he was able to see what his design would look like on the outside of the building before it was actually built. The north wall behind the barrel vault gets projections of prisms - light patterns through the barrel vault from April to September. In designing the barrel vault, Ed wanted the window to look classical and solid as if built over time. Construction managers required that he test his windows for wind load and water penetration. This testing revealed the windows would withstand 40 lbs/sq. ft. which is equivalent to a 125 mph wind - well above the Columbus Day Storm.

A TOWER BUILDING IN DENVER was remodeled to make the lobby face a new mall. Ed used a geometric design in a 750 sq. ft. triangular skylight. When finished next year, the skylight will be projecting hundreds of colored lines and shapes onto the wall and floor of the lobby.

CONGREGATIONAL CHURCH IN DALLAS, TEXAS wanted colored glass in 10 nave windows and two larger chancel windows. Ed tried to emphasize the

windows rather than walls and visually connect the windows from back to front of the church with a progressive common vertical form. Glass fiber cloth laminated between window glass will be used as well as glass containing parallel ribs varying distances apart. The chancel windows are lighter than the nave windows to draw the eye to the front of the church. The weave pattern was chosen because in meeting with the design committee of the church he had found that the church was made up of many different kinds of people and they seemed to be interwoven together in their concerns for their church.

Ed's concluding picture was of a window which had been done by his grandfather in a church in Denver in 1918. Apparently Ed had not been aware until recently that his grandfather had also worked with glass as well as painting pictures and murals.

In the question and answer period, Ed discussed the fact that windows look different from the inside and outside. On the outside, windows act as reflectors of the world around them because the light strikes the glass and is reflected back to your eyes. On the inside, windows act as transparent openings which allow light to enter. Windows are normally not tested for wind load, and code rules for skylights do not apply because the glass panels are installed below the skylight.

This fascinating meeting was concluded by having Pat O'Brien draw numbers from a hat for the table decorations.

Continued from Page 4

MASONRY HANDBOOK

Masonry Institute of America announces its newly published revised and updated 4th edition of the REINFORCED MASONRY ENGINEERING HANDBOOK by J. E. Armhein.

This valuable reference for engineers and architects has often been used as a text. It applies design technology, engineering, formulas and tables to reinforced masonry. It presents information on concrete block and clay brick masonry and includes construction information and design examples. It also details the design of an industrial building, retaining walls, and includes information and design for structures to resist lateral forces such as wind and earthquakes.

The 456-page 8 1/2 x 11 hard cover book is available from Masonry Institute of America, 2550 Beverly Boulevard, Los Angeles, California 90057. Pp \$34 to California addresses, \$32.75 to addresses outside California but in the USA.

Education Committee

by Stan Carper

Portland Chapter CSI will be sponsoring 3 more seminars:

February - Specifications
Writing Language
(Paul Edlund, FCSI)

March - Lien Laws
May - Modes of Specifying

Cost: \$12.50 Non-member
\$10.00 Member
\$ 5.00 Student

Approximate time: 3:15-5:15 p.m.
preceding chapter meeting
A flyer will be inserted in The Predicator the month of the seminar.

Portland Chapter

1983-84

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Region Operating Guide Revisions
Don Walton 643-9491

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 283-5178

Concrete Moisture Update

by J. Davidson

The Moisture Specification Seminar presented by the Associated Floor Covering Contractors of Oregon and S.W. Washington on October 19, 1983, proposed that specifications not only include soil testing but include under-slab soil preparation as discussed in the April, 1983 issue of The Predicator and slab testing for moisture content.

Because the various resilient flooring manufacturers are not in agreement on the test method or the required results of moisture tests, the Ad-Hoc Committee recommended all new flooring installations, on slab-on-grade over 5000 square feet, be tested in accordance with the flooring manufacturers standard test as well as using the Rubber Manufacturers Association "Moisture Test Unit" available from Vinyl Plastics, Inc., Sheboygan, Wisconsin (Locally through Flintile, Inc.). Additionally, AFCC members will file a "Job Profile Report" with the General Contractor and the AFCC office on these jobs. AFCC will compile the data from the reports and publish the results semi-annually.

Anyone concerned with these areas should contact Dennis Obert, Chapter Technical Chairman, at 245-7802.

New Members

Continued from Page 1

Kate Lentz
Word Processing
Harold D. Miner
BH2M
Susan Musi
Interior Construction Supply
Harry B. Palmer
Consulting Engineer, Salem
R. Ray Totten
Broome, Oringdulph, O'Toole,
Rudolf & Associates
James M. Westcott
Manufacturer's Representative
Joe Woods
Contractors Daily

From the Editor

News of Portland Chapter members who have articles in other publications include:

Ken's BS by KS in the Nov. issue of St. Louis Spectator. (The Finish Hardware one).

The Nov. 83 "Oregon Association Edition" issue of Contractor's Daily has articles by:

Dick Gira - CSI
Bob Inouye - ASHRAE, CSI
Cristal Arnold - CPMC, CSI
Tom Young - MIO/CTI/CSI

Sorry John! The list for Members at large was taken from the January "The Construction Specifier".

Marqu

The Predicator

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THE PREDICATOR

Vol. 23

No. 6

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

February 1984

President's Corner

by Dick Gira



Prompted by the comments made by some of the audience and panel members on our "Wish-night" Program last October, I would like to address the dual subjects of "Selecting sub-contractors" and of "Enforcing Specifications", and then to conclude my thoughts with a prediction of the future.

First, some background - several years ago, when the economy began to slip, a noticeable influx of new sub-contracting firms appeared in our area. Some of the new firms came from other states, states which also were suffering economically. At least here in Oregon, they thought, they would be bidding against fewer competitors when compared to the many bidders in their own more populous areas. Additionally and perhaps more prevalent, because of the severely depressed residential market, many residential - only experienced sub-contractors, as well as those individual trades people who decided to form their own firms, decided to compete in the commercial market. Incredibly, new firms were allowed to work in trade areas which were foreign to them.

These categories of contractors seemed to have two things in common: they secured work with very low bids and at times, after obtaining the

Continued on Page 2

February Chapter Meeting

Date: February 14, 1984

Time: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Meeting

Place: Thunderbird at the Coliseum

Cost: \$10.00 per person

RSVP: CSI Office - 238-1462 by
Friday Noon, February 10, 1984

PROGRAM: Architect's Problems

Mistakes! Architects do not make mistakes. However, they do have occasional problems! With the vast number of construction products available and the infinite number of ways those materials go together, it is highly likely that architects may experience some problems with materials they specify. The February chapter meeting will explore a few of these experiences.

Three architects have volunteered to share their knowledge with CSI members. Through these case studies, the program will attempt to identify why a problem develops, how it can be resolved, and most importantly -- what can be done to prevent it from happening again. The program should stimulate ideas which will help all CSI members, not only architects, minimize future mishaps.

More information will be available when you call in your reservation.

Tabletop Display

Our program this month is a general topic. Any member of CSI interested in displaying products of a general nature should contact Gary Zagelow at 655-7166.

Coming Attractions

Mar. - Response to Wish Night
Apr. - CSI Products Fair - AIA/CSI
Joint Meeting
May - Bid Night (Contractors)
June - Fun Night

Shifting the weight of JUSTICE

How much abuse will it take before the courts begin to restrict the special privileges they have traditionally bestowed on the plaintiffs' bar? Architects and engineers have long been held liable for injury to blameless (and some not so blameless) third parties. Not necessarily so with attorneys. They enjoy a nearly unrestricted right to name in a lawsuit anyone who may be even remotely connected with a problem. The havoc they wreak by wrongfully naming innocent parties has been defended as the social cost that must be paid to protect the right of free and unfettered access to the courts.

So secure and sanctimonious have some attorneys for the plaintiff become in relying on this defense, that they no longer feel constrained even to conceal their own cynicism about its abuse. This point was made painfully clear once again in September, 1980, when the Defense Research Institute published a review entitled, "Plaintiffs' Strategies." Consider this revealing insight into the Byzantine workings of the adversarial mind:

"Negligence on the part of architects is a new and exciting area of tort law. Typically, suits of this nature involve multiple defendants. The plaintiff's attorney is benefitted by the number of defendants, because each is trying to place the blame upon the other. Additionally, the plaintiff's attorney may then use one defendant to prove the various elements of his case against other defendants.

The following is suggested as a method to begin investigation of architectural or structural construction negligence claims. Plaintiff's attorneys should gather the names of all of the people who worked with the plaintiff. When interviewing these people the attorney should not tell them that he plans the lawsuit. After getting the statements of the plaintiff's co-workers, the statements are given to an expert who eventually needs the plans. To gather this necessary information, a lawsuit must be started. Rather than sue the most likely party, suit should be started against the party least likely to be

Continued on Page 2

President's Corner

by Dick Gira

Continued from Page 1

job, the quality of their work and the materials used, did not meet the standards of good construction or of the industry in which they performed work.

In some cases, these sub-contractors were not willfully or even knowingly using incorrect methods or techniques, but rather, they simply did not have the experience or knowledge to realize what the standard or quality was - not only during the construction period, but also during the bidding process when they were calculating their costs. Some of these contractors simply "do not know what they do not know!"

If sub-standard work is allowed and specifications are not met, the owner, the architect and the industry as a whole will suffer. But if sub-contractors were made to understand that poor workmanship will not be tolerated, would not that help the industry?

One result of these problems I have described is that organizations such as Trade Associations, Institutes and Bureaus, etc., have been and are being hurt terribly. It is becoming increasingly difficult for these types of "helpers" to the architectural and engineering professions to continue to inspect jobs, give technical assistance, perform research, test materials and distribute literature, all free of charge, if contractors who support these "helper" organizations are not allowed to work because the "not-so-qualified" sub-contractors have been obtaining the work.

I have changed my mind, I will not make a prediction of the future - I will leave that to the imagination of all the architects, specification writers and engineers - those who can really alleviate some of the problems I have described.

BOARD OF DIRECTORS MEETING AT NOON TUES. FEB. 14, 1984 CSI OFFICE 1125 S. E. MADISON
--

Board of Directors

Minutes

MEETING OF JAN. 10, 1984

Present: Latham, Obert, Sherman, Akeson, Arnold, Hirte, Gira, Charles, Kilbourn, Townsend, Largent, Vrla, Madrosen.

Vrla read minutes of previous meeting which were approved with some minor comments.

Charles presented Quarterly Report. Net Assets: \$11,994.41. Charles agreed to meet with O'Brien and discuss Christmas party expenses, i.e., subsidy and other purchases. Also determine why there is such a disparity between income and expenses to date (primarily the short-fall for the party). Need to bill Comgroup for advertising flier which appears with The Predicator. Nothing done so far. Kilbourn turned over several checks to Charles for Masterformat purchases as well as the membership fee for a Seattle Chapter member. It was moved and seconded to approve the Treasurer's report.

In re: the number of "no-shows" at the party, consensus was that in the future we would have to pay in advance to prevent future short-falls.

Kilbourn announced we have 234 members. The membership committee (Destefano, Jacques, James, Johnston, Van Antwerp) meets every 2-3 weeks on Thursday noon. Obert and Kilbourn to give a short pitch for Masterformat at the Jan. 10 dinner meeting.

Madrosen on Products Fair: "Power Thru Knowledge" is theme. Mailer is at the printer and some will be distributed also at Jan. 10 meeting. Rest to be mailed out by end of week. Arrangements are being made with the Red Lion for accommodations and Latham is moving forward with a very interesting and exciting speaker for the joint meeting! Discussion as to appropriate topic for the speaker who will be coming from the Johnson Space Center in Houston, Texas. This Center has a speakers bureau and speakers are available on a variety of subjects dealing with space construction, materials research, etc. We can expect upwards of 300 people at the joint dinner. So we need to hustle and quickly! Need people to volunteer for many jobs, including visits to various interested associations in the area to invite them to this meeting. Madrosen wrote a short note in January "Construction Data" in this regard.

Obert discussed a 'revised' version of the Substitution Request form from the Seattle Chapter. They are asking if we wish to join them in this revision. Obert also mentioned a technical publication seminar to review technical publications to be attended by specifying architects and other interested persons. One way to possibly attract those members who feel CSI is not a viable group serving their interests.

Largent wants to have Product Fair promotional info as soon as possible - it's only two months (publication time) away.

Arnold gave a brief description of Jan. 10th meeting agenda.

Meeting adjourned at 1:30 p.m.

Respectfully submitted:
Inga Vrla, Secretary

Continued from Page 1

liable. This is calculated at keeping the main defendant in the dark. In this way, the plaintiff's attorney is able to give notice only to the attorney of the party least likely to be liable. This points out the importance of considering whom to sue and when to bring the lawsuit."

With this advice, the concept of professional ethics has fallen to a new low. It is outrageous in its blatant immorality, nevertheless, we thank the members of the plaintiffs' bar for their candor. Nothing could be more carefully calculated to stir public anger, and when the public is angry enough, the courts and the legislatures will begin to respond.

The call for action is long overdue. The voices of reason within the legal profession seem no longer to be heard over the barnyard cacophony of unenlightened self-interest. The social costs of special privilege are out of control. Clearly, society must act to restore balance by tightening the standards of professional conduct for those members of the plaintiff's bar no longer capable of self-restraint.

from DPIC Communique/January 1981

Art Snedding, Spokane
Dave Thomas, Seattle

Director's Report, Nov. 15, 1983

Dave and I attended the Informal Board meeting on September 30, 1983 and the Board meeting on October 1-2, 1983 held at the Conference Center of the Old Colony Inn in Alexandria, Virginia. This was my first board meeting that all EXCOM Members and Region Directors were present.

The Informal Friday evening meeting touches on agenda items to be acted upon Saturday and Sunday. This enables all participants to discuss issues without formal action and prepares everyone for the next day's meeting. Treasurer's report was reviewed. The Ad Hoc Committee on image building appears to be dying due to lack of response. Don Meisel plans dissolving and then restructuring this committee. No other agenda items were brought up.

The formal Board meeting consisted of comments or additions to each members reports.

Only one by-laws recommendation was submitted; a proposed amendment dealing with student member definition. It was passed unanimously and will be submitted by ballot later in the fiscal year with other pending items from Feb. '84 Board meeting. The new "Student" section will read as follows:

- "a. Student members shall be full time students enrolled in an undergraduate or graduate program in a construction industry curriculum in an educational institution.
- b. Student members shall have all the rights and privileges of intermediate members."

The only other recommendation, the wearing of the CSI seal and staff designation by CSI on uniform jackets, was approved to be worn at



the CSI Convention and Exhibit and at Region conferences.

The Sunday morning meeting was basically an informal meeting dealing with general Region items, such as assessment, Region guides and committee appointees. This was very helpful to hear how other Regions approach common concerns.

Dave and I feel it is important for you to know that your Board of Directors is comprised of dedicated and hard working CSI members. The interest of the entire membership has the highest priority. Their job can be much easier if the general membership were to "open up" and communicate their concerns and approvals relating to CSI as a whole.

The meeting adjourned at 11:00 a.m. with the promise that the Feb. '84 meeting will be lengthy in comparison, as several issues and recommendations will be submitted.

ART

Northwest Region

1. Cook Inlet (Anchorage, AK)
1st Tuesday of the Month
6:30 p.m., Anchorage International Inn
2. Idaho (Boise, ID)
1st Tuesday of the Month
6:00 p.m., Old World Catering
3. Portland (Oregon)
2nd Tuesday of the Month
Location varies
4. Puget Sound (Seattle, WA)
2nd Thursday of the Month
5:30 p.m., The Canal Rest.
5. Spokane (Washington)
2nd Thursday of the Month
6:00 p.m., Rocking Horse
6. Willamette Valley (Eugene, OR)
Last Thursday of the Month
Bev's Steak House

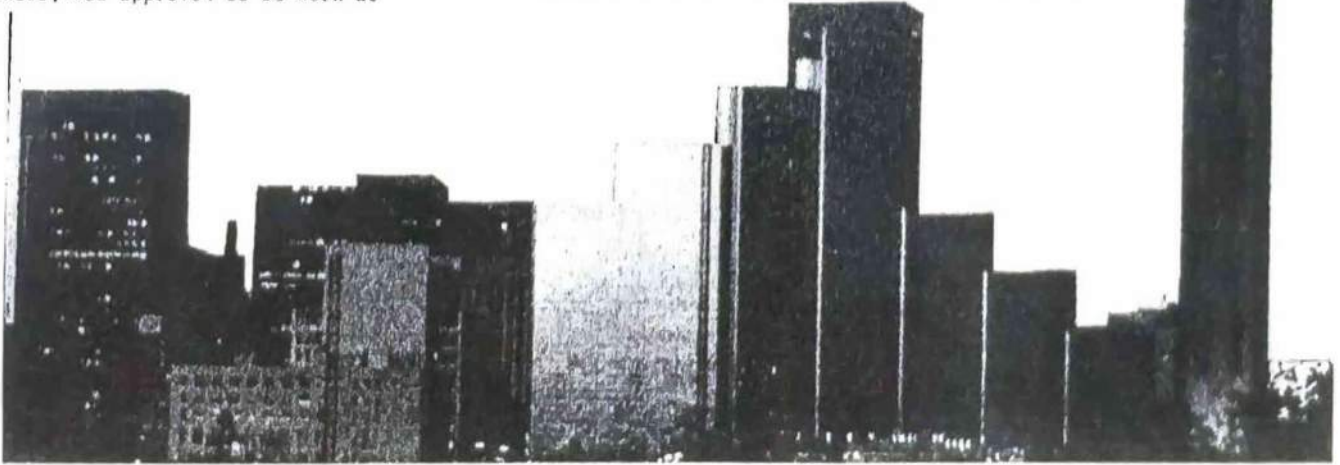
7. Northwest Region Conference 1984 Victoria, B.C.



8. Monterey, California
1985 Tri-Region Conference

DALLAS in '84

CSI CONVENTION JUNE 16-18 PLAN ON IT!



BS by KS

Basic Specs by Ken Searl

In the January issue of The Predicator our fearless leader Dick Gira, in his President's Corner column, asked the question, "Where does the CSI fit in? Do we change our "system" too frequently, or are we just the opposite... too rigid and overly regimented?" Dick, that is a very good question. Sort of reminds me of the long-winded Senator who, when asked how he stood on a certain issue spent 15 minutes talking around the subject and closed with the statement, "Some of my friends say I'm for it and some say I'm against it, next question please."

Well, I won't spend 15 minutes but I will answer to the question in part. That part is regarding CSI page format. Several years ago at the Mt. Hood Region Conference a consulting engineer complained he had over 20 Architect clients and he also had to prepare his specifications in 20 different formats and wanted to know if anything could be done about this horrible situation. Shortly thereafter the Portland CSI Chapter took the bull by the horns (no connection with the title of this article) and appointed a committee to come up with a suitable page format we could all work with including consultants. The final prepared page format was similar to National CSI suggested format with the main difference being that each specifier could put their headers and footers as desired, but the body would be uniform for all specifiers. Now if you have been paying close attention and calling upon your past experience and partially applying Murphy's Law and Erickson's Law you have probably guessed what happened. Several of us switched to the suggested format and the rest continued as they had before. The consultants are still out there complaining and justly so. Why is all this necessary?

Another minor related item is some specifiers use paragraph designations as 1.01 etc. and some use 1.1 etc. It seems to me that 1.01 is redundant. I have been informed the early computers had to have the .01 whereas the new ones don't.

One last item is, how do firms with computers handle the consultants' portion of the specifications? Do they just keep master printed copies or do they put this information on their discs? It seems to me it should be on both consultant's disc storage and the architectural firm's disc storage.

PS to BS by KS

For those of you that use the Painting and Decorating Contractors Association (PDCA) Table of Products for painting, I have been informed that the revised table will be forthcoming shortly after their January convention. For those of you that don't use this Table of Products in your specifications I suggest you give it some consideration.

Dear Ken

I've been reading and enjoying your column in The Predicator for many years, but your December article regarding sexism in contract documents and other construction industry publications and correspondence has prompted me to finally write a letter to you.

Seven years ago, after receiving 20 letters from manufacturers (as follow-ups to CSI Convention Booth Registrations) entitled "Dear Sir", "Gentlemen", and "Dear Mr. Shelly", I started my own little campaign for recognition of the fact that there are women in CSI. I wrote a letter to each of the offending manufacturers, explaining the situation, and received a number of positive thoughtful responses. The following year, 14 of these manufacturers had corrected their salutations to non-sexist, but 8 other manufacturers with previous non-sexist salutations had fallen into the "Dear Sir" category. I again wrote all offending manufacturers, only to find the numbers the following year essentially unchanged. After lamenting this situation to Hans "Bill" Meier, he wrote a good article in The Specifier on the subject, which I'm sure you remember. I had hopes that Bill's article would bring a dramatic change in the numbers, but alas I still received a lot of "Dear Sir"s. Evidently the originators of manufacturers' letters change so much from year to year that a personal letter to the originator accomplished little lasting impression. Only continual broad exposure of the problem via widely read publications will bring about change. Thanks for your help via your column.

Short of counting through the CSI Roster (which I'm not about to do!), I have no way of knowing the

percentage of women in CSI, but my best guess would be 15%-20% women - and increasing every year. It is a continual puzzle to me why a manufacturer will go to the expense of mailing me a catalog worth \$15 to \$20, typing a personalized cover letter with my name and address, and then starting the letter "Dear Sir"... This practice immediately creates a negative response to their company by 15%-20% of the letter recipients. Positive responses can be attained by starting "Good Morning", "Dear Conventioneer", "Dear Exhibit Visitor", "Dear CSI Member", or numerous other salutations.

A fine example of the increasing importance of women in construction was the review in The Predicator of your November meeting, where both of the speakers on "Removal of Hazardous Materials" were women in very responsible positions. This is a definite trend in the construction industry; more female students in Architectural and Engineering schools, more women representing products, more women in contracting and subcontracting, and generally a larger number of women in all phases of the construction industry.

I'm not an avid Women's libber, but have become increasingly aware of some of the subtle sexist attitudes and unintentional oversights which create male directions where none should occur. There are some titles to which I have no objection, such as Chairman and of course "Fellow", which I feel are generic and well understood. But I do resent being called "Sir", "Gentleman", and "Mr.".

Well, I've rambled on long enough on the subject and you obviously don't need my sermons. Thanks again for your leadership and support for recognition of women in construction.

Best wishes for a happy, healthy, and prosperous 1984.

Aloha,

Alice Shelly, FCSI, CCS

January Chapter Meeting

MANUFACTURERS' NIGHT

Cristal Arnold, CSI, President of Portland CPMC opened the Program by refreshing our memory about the initials CPMC - Construction Products Manufacturers Council. It was formerly known as Producers Council.

Manufacturers that belong to CPMC must adhere to certain ethics and standards:

1. The pursuit of quality in their products and services
2. The strict maintenance of proven performance standards
3. Trustworthy information regarding application of products
4. The continuing improvement of existing products
5. The development of new product solutions

Cristal then introduced the panel:

Claris Poppert: Chairman of the Board and Chief Executive Officer of Tom Benson Industries. He is also a past president of CPMC and a past CSI member.

Roger Schultz: An associate architect with Skidmore Owings and Merrill. He is Project Architect, Director of International Projects, and current President of the Oregon Council of Architects.

Jim Hirte: General Contractor whose firm is Colamette Construction

Tom Roche: District Sales Manager for W. R. Grace.

Tom Roche began the discussion by giving us an overview of how the corporate structure works. An idea for a product is given to the people in the field, who tell their managers, who in turn tell their managers, who report to the vice presidents and Chief Executive Officer. If the idea passes all these levels of examination, then it may happen. Sales Representatives are motivated by different things than Manufacturing or Legal Departments.

Jim Hirte presented the contractor's view with the thought that the key word is "communication". Two headaches are when lead time is too long to meet schedule - product was not ordered in time and when the product is not suitable for its application.

What the General Contractor needs from a manufacturer is not a quoting of the lien laws but:

1. Description of the product and applicable specification sections.
2. Anticipated delivery date.
3. Date order received from sub-contractor and the name of the sub-contractor.
4. Indication if prior approval has been obtained.

Roger Schultz, as the architect, also expressed the view that communication is the key. Manufacturers need to communicate information about their products to the architects so they will use them properly. The architect has a short term relationship with the owner but a much longer term relationship with the manufacturer and contractor - they will work together on other jobs with other owners.

The architect is employed by the owner during the design phase of the project and during the construction phase is an arbitrator between the owner and the contractor. Since Oregon is just coming out of the recession most architects have time to talk to sales representatives and become better educated about their products.

Claris Poppert then opened the meeting to questions from the membership and a lively discussion followed.

It was an interesting and well attended meeting and as Dick Gira said in his closing comments.

"The people that harm the construction industry are the ones that are not in attendance at meetings like this one."

Engineers Week—1984

"Engineers: Partners for Progress" is theme for the 1984 Engineers Week, Feb. 19-25, 1984.

Reservations to the 1984 Engineers Week Student Invitational Banquet, 6 p.m., Wednesday, February 22, Red Lion Motor Inn at Lloyd Center. cost is \$10. The speaker is robotics expert, Michael Callahan, Automation Specialist from Seattle.

For reservations contact:

Deborah Hewitt
c/o Tektronix, Inc.
P. O. Box 500, DS 59-171
Beaverton, OR 97007

CSI Trivia

10% of the Portland Chapter members attend 3-4 chapter meetings each year.

20% attend 2 or more.

30% attend 1 meeting.

The rest are "Closet" members.

234 members.

PERHAPS YOU'VE FORGOTTEN

That if you add only one gallon of water to a cubic yard of properly designed 3000 psi concrete mix

(1) You increase the slump about one inch.

(2) You cut the compressive strength by as much as 200 psi.

(3) You waste the effect of 1/4 sack of cement

(4) You increase the shrinkage potential 10%

(5) You decrease the freeze-thaw resistance by 20%

(6) You decrease the resistance to attack by de-icer salts.

(Reprinted from "Perhaps You've Forgotten" Bulletin No. 1, Concrete Improvement Board of Detroit)

CONTRACTOR - A gambler who never gets to shuffle, cut or deal.

BID OPENING - A poker game in which the losing hand wins.

BID - A wild guess carried out to two decimal places.

LOW BIDDER - A contractor who is wondering what he left out.

ENGINEER'S ESTIMATE - The cost of construction in heaven.

PROJECT MANAGER - The conductor of an orchestra in which every musician is in a different union.

CRITICAL PATH METHOD - A management technique for losing your shirt under perfect control.

OSHA - A protective coating made by half-baking a mixture of fine print, red tape, split hairs and baloney - usually applied at random with a shotgun.

L.A. C.S.I.'s NEWS, Dec., 1983.

Portland Chapter

1983-84
 President Dick Gira 224-8226
 President Elect
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 Technical Documents,
 Dennis Obert 245-7802
 Editor (Publications)
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**Region RESPONSIBILITIES for
Portland Chapter Members:**

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 Awards Selection Committee
 Les Seeley 287-7135
 Region Technical Chairman
 Ivan McCormick 226-1431
 Region Operating Guide Revisions
 Don Walton 643-9491
 CSI Appointee to American Arbitration
 Association Regional Construction
 Industry Advisory Committee:
 Bill Merritt 283-5178

Region Directors

Arthur A. Nordling 509-838-8681
 c/o Walker McGough Foltz Lyerla
 West 244 Main Avenue
 P. O. Box 1482
 Spokane WA 99210
 David E. Thomas 206-483-9388
 c/o Thomas Architectural Products
 8107 222nd S. E.
 Woodinville WA 98072

Education Committee

by Stan Carper

Portland Chapter CSI will sponsor 3 more seminars:

February - Specifications
 Writing Language
 (Paul Edlund, FCSI)
 March - Lien Laws
 April 7 - CCS Exam
 May - Modes of Specifying

Cost: \$12.50 Non-member
 \$10.00 Member
 \$ 5.00 Student

Approximate time: 3:15-5:15 p.m.
 preceding chapter meeting

A flyer will be inserted in The Predicator the month of the seminar.

**Certified Construction
Specifiers**

Persons who have sent in applications to take the CCS examination on April 7, 1984 and are interested in participating in a local seminar to improve their specification writing skills should contact Stan Carper at 285-4557 not later than 2 February, 1984.

From the Editor

CSI members attending the Gold Regions Engineering Seminar (Dec. The Predicator) include your editor, Margie Largent, and Mary Alice Hutchins.

NEW MEMBER, Hoichi Kurisu (Landscape Designed by Kurisu) just returned from a trip to the tip of Baja, California where he is overseeing the construction of one of his designs.

FROM THE MEMBERSHIP:

One of our members - and a dear friend - recently arrived in Honolulu sans driver's license. Unable to rent a car without a license our friend hired a taxi and took a driving test, passing with CSI colors. If this friend still reads The Predicator I may not be so dear.

Mahalo

Ed.

The Predicator

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 Portland, OR 97214

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THE PREDICATOR



Vol. 23

No. 7

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

March 1984

President's Corner

by Dick Gira

WHY BOTHER WITH SPECIFICATIONS?
Can't we simply call out materials, methods and standards of construction on drawings? Why be so darn specific anyway...drawings can only be read and interpreted one way. Why specifications at all...they only confuse people.

I shall attempt to answer my own questions: Yes, construction specifications are necessary. Today's technology calls for all sorts of materials and systems...a good bit of it complicated and often very sophisticated. Producing a well thought-out, well written set of "specs" is one of the accepted and proven methods of assuring the owner of a quality building. Additionally, a good set of "specs" can and should work in harmony with the working drawings for the benefit of all: the contractors working on the job, the suppliers who furnish the materials and services and for the architect who must coordinate and oversee the multitudes of changes, disputes and compliances in a professional, business-like manner.

If so far, you agree with me... then why is it that the majority of colleges and universities who teach architecture do not, as a part of their curriculum, offer specifications writing courses? During my recent tenure as a member of the Construction Specifications Institute's Education Committee, one of my task assignments was to search out college catalogs from all over the nation, to find out which schools offered specifications writing courses. I found very few which did...not even as an elective course.

Where then, do qualified specification writers come from? In the January, 1983 C.S.I. Specifier, Stephen Parris writes: "You can't call up the nearest institution of higher learning and have one sent over. Colleges don't stock them; they don't even train them."

At our one and only in-state school, which at the present time can graduate students with bachelor of Architecture degrees (Oregon School of Design in Portland is working toward this goal), does not teach a specific, in-depth specifications-writing course. "Specifications" is only one of several subjects making

Continued on Page 2

March Chapter Meeting

Date: Tuesday, March 13, 1984

Time: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Meeting

Place: Thunderbird at the Coliseum

Cost: \$10.00 per person

RSVP: CSI Office by Friday Noon,
March 9, 1984. 238-1462

Does your architectural concrete finish specification require attention? Are your exposed concrete surfaces expressing uneven texture, rock pockets, spalling, wood sugaring, grain raise or unsightly boat patch appearance? Then attend the March Chapter meeting and learn about the advantages of using medium density overlay plywood and form coatings to accomplish improved concrete finishes.

Mr. Arnold Kupker representing form coating manufacturers and representatives of plywood manufacturers will discuss the importance of specifying the proper form materials and installation techniques to achieve quality architectural concrete.

Tabletop Display

Our program this month is a general topic. Any member of CSI interested in displaying products of a general nature should contact Gary Zagelow at 655-7166.

BOARD OF DIRECTORS
MEETING AT NOON
TUES. MAR. 13, 1984
CSI OFFICE
1125 S. E. MADISON

Coming Attractions

Apr. - CSI Products Fair - AIA/CSI
Joint Meeting

May - Bid Night (Contractors)

June - Fun Night

1984 Products Fair Power Through Knowledge

Most CSI members now know that the next Products Fair will be held in the Red Lion at Lloyd Center exhibit hall on April 17 and 18, 1984.

One new event this year is a CSI-AIA joint dinner meeting on April 17. Featured is a hosted pre-dinner cocktail party in the exhibit hall at 5:30 to 7:00 p.m. and dinner at 7:00 p.m. in the Cascade Ballroom.

Featured speaker of the evening will be architect Brad Griffin of Boeing Aerospace, Seattle, Washington. His topic will be "Design of Human Habitations in Zero Gravity Environments".

Cost of the joint dinner meeting will be \$12 per person. An insert in this month's The Predator advertises this function plus acts as a dinner reservation form. The form must be accompanied by a check and received by the CSI office by April 2 in order to reserve a seat. We expect a sell-out crowd of 250 persons, so don't procrastinate. Call CSI office 238-1462 for information.

Booth reservations as of early March reached 75% full. If interested in booth space, please call John Madrosen at 225-0200 for details.

Awards

Cristal Arnold, Awards Chairman, asks that you readers suggest individuals or organizations that you feel should be considered for the following awards:

1. Chapter Certificate of Appreciation - for advancement of CSI, its objectives or administration.
2. Organizational Certificate of Appreciation - for contribution to the Construction Industry.
3. Chapter Citation - for outstanding accomplishment in specification writing.
4. Chapter Education Award.
5. Chapter Technical Excellence Award.
6. President's Certificates and Special Certificate of Appreciation - not covered in above list.

Don't forget to call Betty S. Logan

President's Corner

by Dick Gira

Continued from Page 1

up a course called Construction Communications. This relatively small reference to such a important subject, when compared to the multitude of other courses offered to the student in the five years of studies, is a serious omission in the training and development of our future professionals. I must also note to you that the one course I have just mentioned is not required, it's an elective. As a matter of fact, the U of O does not require architectural drafting of their students. The schools offer "working drawings", again as a part of two other courses which include several other topics...and again...we're talking electives. Consider this for a moment: writing and drawing...the basic language of the profession and students are not required to take these courses.

All of us...as taxpayers, as workers in construction, as graduates of the U of O (if that be the case), as owners or future owners of architectural firms, as concerned citizens, should make our schools aware of their lack of concern, as to their obligation to the people mentioned above...those who pay the bills (one way or the other). Periodically, changes need to be made and priorities need to be re-evaluated. If schools do not do anything else, they can certainly attempt to relate to the "real-world".

My suggestion would be to form a body of interested people and to communicate not only with the university but also with the State Board of Higher Education and to make them aware that "Industry must cooperate with Education", the phrase which we have been hearing about so much recently, implies a two-way street.

Region Awards (Deadline 2/24/84 include:

1. Region Certificate of Appreciation
2. Organizational Certificate of Appreciation
3. Region Cooperation Award
5. Region Specification Proficiency Award
6. Region Education Award
7. Region Technical Excellence Award
8. Newsletter Excellence Award
9. Region Publication Commendation
10. Chapter Growth Award
11. Region Director's Citation
12. Frank Stanton Memorial Award

Bob Klas - Chairman Region Awards Committee

Board of Directors

Minutes

MEETING OF FEB. 14, 1984

Present: Latham, Obert, Sherman, Ross, Gira, Carper, Charles, Kilbourn, Townsend, Largent, Vrla, Madrosen, O'Brien, Barker, Destefano.

Meeting called to order at 12:05 p.m. Minutes of previous meeting were read. Charles raised a question or two, minutes were corrected and approved.

Charles distributed monthly Treasurer's Report: net assets Jan. 1984, \$11,688.96. He also distributed an addendum to TREASURER'S QUARTERLY REPORT, 2nd quarter, fiscal '83-'84. Discussion ensued about chapter meeting deficits, especially the Oct. meeting of \$142.80. O'Brien expressed surprise at this figure and Charles said he would check further. Report was approved.

Richard Gira read a lengthy report from Cristal Arnold about ferreting out possible awards recipients. Time is short for regional awards and we should all be on the lookout whether those to be recognized were CSI members or a part of the industry as a whole. Call Cristal Arnold for details.

Stan Carper, Education Committee, reports on the seminar for March on "Lien Laws" and May, "Modes of Specifying". Pat O'Brien, Hospitality, is proposing a procedure modification for handling the finances at our dinner meetings. Ed Charles agreed to take charge of receiving cash and checks. We decided to no longer accept Visa (etc.) because of the difficulty of control between our group and the restaurant management. The question of how to handle "no shows" or "drop ins" was brought up - with no final solution reached other than "to pass" for now. Dennet Latham will provide the Hospitality Committee with a guest list to help identify these people and assist in introducing them after dinner. Lee Kilbourn will also provide names of new members to the President and the Hospitality Committee before each meeting so these people can be recognized and receive their CSI pins. Our membership increased by one this month (236).

John Madrosen on Products Fair: 37% of the booths sold. Seminars were eliminated from the program. Dennet Latham has settled on the speaker, an architect who will discuss design of human habitations in zero gravity environments (on manned space stations). Dennet also mentioned that our March program would have a

speaker and slide show on MDO plywood.

Margie Largent, Publications: attempted to "get the ball to the other court" with regard to several items for The Predicator, such as, news releases which could amount to free advertising, and also the pressing question..."should we have card ads?" The Board as a group suggested Margie use her best judgement. We all agree that a short column on "what's happening" with our members would be appropriate. Margie also mentioned she had a request for an insert in the April issue.

Dennis Obert discussed a new technical document, prepared by the Associated Floor Covering Contractors (AFCC), with some help from a few members of our Chapter. This publication discusses the problems of floor coverings on slabs on grade, and addresses the moisture barriers under them. There is also a film as a part of this document.

Lee Kilbourn brought up the matter of the fact that the CSI seal was used improperly on this document. The literature has been printed, some copies apparently have been mailed and the group intends to meet with the Eugene Chapter CSI later this month. We (the Board) were divided as to the course of action to take since we felt the violation was unintentional. Therefore, in the interest of public relations, Richard Gira was instructed to contact the coordinator of the AFCC here in Portland and advise him.

Following prescribed procedures as stated in the CSI handbook, Lee Kilbourn agreed to contact CSI national headquarters in Alexandria, VA, and notify them of this situation. Mr. Gira asked for help to take his place at the Engineer Week show at the Red Lion. Inga and Lee agreed to attend the dinner in his place.

Many thanks to Betty Sherman for the dandy pan of "Valentine fudge". We all enjoyed a lot of it!

Meeting adjourned at 1:30 p.m.

Respectfully submitted:
Inga Vrla, Secretary



Northwest Region Conference 1984

What: NORTHWEST REGION CONFERENCE

Where: Victoria, B.C. Canada
Provincial Capitol
British Columbia

When: April 26-28, 1984

How: Car-Plane-Motor Home-Boat-whatever. "BE THERE"!!!

Site: Empress Hotel - 1984
confirmed room rates

Std. Single Occupancy	\$55.00
Std. Double Occupancy	\$65.00
Superior Single Occupancy	\$74.00
Superior Double Occupancy	\$84.00

Hotel is holding a block of rooms only up to 30 days prior to Conference.

NO GUARANTEES AFTER MARCH 25th

Transportation: Ferry from Port Angeles, WA to Victoria Harbor.

Ferry from Anacortes, WA to Sidney, B.C., Drive south 22 km (13 miles)

Ferry from Tsawwassen, B.C. to Swartz Bay Drive south 22 km (13 miles)

Ferry from Horseshoe Bay, North Vancouver to Nanimo, B.C. Drive south 112 km (70 miles)

By Air from Seattle, Pacific Western Airlines Ltd. 206-433-5088 - Airport is approximately 22 km north of Victoria.

The B.C. Steamship, Princess Margaurite **WILL NOT BE AVAILABLE** at this time. Operation will not start until May 5th.

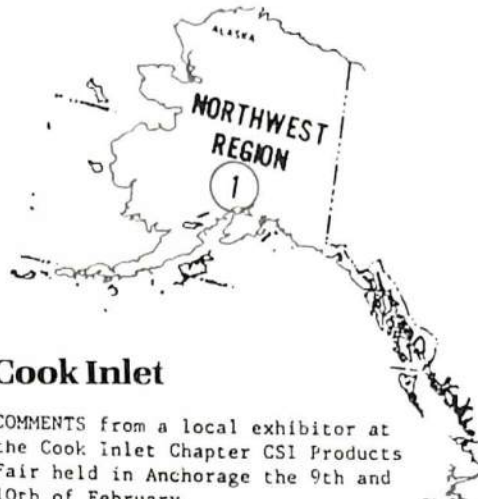
Custom Regulations: Entry into Canada does not require passport or visas. However U.S. Citizens should carry some identification, showing citizenship etc. As many times as we have been to Canada we have never had to show any identification. See brochures, Visitors Guide and Travel Information.

Currency: There is a difference in value of U.S. and Canadian dollars. At present it is approximately 20% in our favor. It is suggested that visitors should exchange their funds for Canadian dollars at any Canadian Bank (Beaverton, Portland). Room rates listed above are in Canadian money.

Metrics: Canada is metric. Study up on your conversion tables.

DUANE HALL
via Larry Arnold

Northwest Region



Cook Inlet

COMMENTS from a local exhibitor at the Cook Inlet Chapter CSI Products Fair held in Anchorage the 9th and 10th of February.

Fifty two exhibitors, 1200 to 1300 people in attendance. Insulation was a well represented product, almost every booth exhibited some type of insulation. Attendees came from all over Alaska. They included representatives of school districts, D.O.T., Dept. of the Army, Federal Government, contractors, building officials, design professionals, engineers, distributors, suppliers and others. Booth set-up time was 3 p.m. to 8 p.m. the evening prior to the show opening at the Sheraton Hotel.

Chapter members and exhibitors were invited to a fabulous (the best I've ever encountered) buffet that evening which was hosted by the Cook Inlet chapter. 150-200 attended.

There were no training seminars, no "best booth" awards that I noticed. Those attending wanted all the "latest information", pricing, samples, ideas, sources of supply. A very high level of interest. Attendance excellent! We shared booth space with our distributor and were constantly busy... It was well worth it! Very productive show!

Al Weller, National Marketing



The Empress Hotel
Victoria, British Columbia

A stimulating program is planned this year, focusing on the theme, "The Future: Fact or Fiction?" We are living in what has been described as "The Information Age." Our perspective on handling information has been impacted by the startlingly rapid changes created by high technology. Our speakers will provide you with insights and food for thought on this and other subjects.

We are pleased to announce that one of our speakers will be Martin Selig Developer of Columbia Center, soon to be the tallest high rise east of Chicago. Mr. Selig will offer insights into his vision for the future of our region and how our plans for the future can indeed become "Fact."

7. Northwest Region Conference 1984 Victoria, B.C.

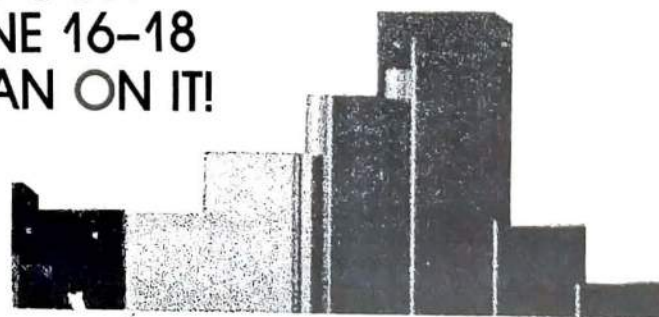


8. Monterey, California 1985 Tri-Region Conference

David E. Thomas, CSI Region Director announces expansion of Thomas Architectural Products, Inc. at 8107 - 222nd S.E. Woodinville, Washington. Stop and see what Dave is up to!

DALLAS in '84

CSI CONVENTION
JUNE 16-18
PLAN ON IT!



BS by KS

Basic Specs by Ken Searl

Do you remember in a previous BS by KS column I stated that the first inspection of sound insulated interior walls always revealed a poor job with lots of gaps and imperfections and I complained I never was able to accept the installation the first time. Well, that was some time ago and I still echo those statements. I recently inspected a project where the exterior wall insulation was much better than the interior sound wall installation. We are all aware of the fact that sound installations should be at least as good or better than exterior wall insulation; in this case it wasn't. Sound insulation had 2 inch gaps the width of the insulation between studs at tops and bottoms, no insulation around electrical boxes and many side gaps were up to 3/4". It makes one wonder just why the installer thinks we wanted the sound insulation in the first place. I think the next time someone calls in for a sound insulation inspection I will automatically holler reject, do it over, or words to that effect so I won't waste the first trip. Hah!

How many of you have read "Legal Points" on page 16 of the Construction Specifier (January 1984 issue)? Bill Merritt of our Portland CSI chapter advocates not reviewing shop drawings and, as you may remember, this has been my philosophy up to a certain point. Bill says if the Architects didn't write submission requirements into the construction contract they wouldn't get shop drawings to review. Bill also states an example regarding finish hardware where two catalog numbers got transposed and approved by the Architect and then the wrong material arrived on the job site. I agree in general with Bill's statements but saying something and getting it done are two different ball games. I haven't required finish hardware schedules for several years now and I still get them sent to me many times with the notation that orders cannot be placed until approved by Architect and many times the notation also requests keying schedules which I have included with the original specifications. I have a hard time convincing people finish hardware schedules are not wanted. Now to those specifiers that use the hardware allowance method it appears they have no choice but to accept a schedule or else do it themselves after the bidding period.

Now let's analyze just what happens if no shop drawings are required for anything. This means that the Architect must show all items correctly in detail on the drawings

so that everything is "perfectly clear" as Nixon would say. I don't believe most Architects are ready, willing and able to do this. It has become a habit and a custom to ask for shop drawings and I am sure this habit is going to be hard to break.

One final item, I was handed a revised substitution request form from the Puget Sound Chapter for comments. Well, the "Dear Sir" gang is at it again. The last wording in part reads as follows:

"Signature must be by person having authority to legally bind his firm to the above terms."

I guess they don't recognize that many of the reps are women who call upon the Architects and Specifiers.

Dear Ken



*I THOUGHT
OF KEN SEARL'S
EXCHANGE WITH
ICBO WHEN
I SAW THIS.*

"SNOW FELS SCHOOL ROOF

About 15 in. of heavy, wet snow and a change in materials and design were responsible for the Jan. 13 collapse of an Alaska school library's roof, according to a consultant investigating the collapse. No one was hurt when the roof of the Airport Heights Elementary School in Anchorage fell at around 11 p.m.

In a preliminary study, Unwin, Scheben, Korynta & Huettl, Anchorage, indicate that the steel-and-wood trusses used in the library's roof were not used in 13 other school libraries built around the same time and designed by the same architect - now out of business. The other roofs used all-steel trusses and were inspected for problems after the collapse, according to Bill Tanner, the school district's superintendent of auxiliary services.

The library was built in 1972 as an addition to the school, built in 1954. Last summer the district installed a protected membrane roof assembly, or PMRA, on the library. That design puts insulation on top of an elastic roofing membrane to protect the membrane from damage. The new roof membrane did not tear when the roof collapsed, and the next day it remained suspended over the room, filling up like a water balloon with melting snow.

The installation of the more energy-efficient roof may have helped bring about the collapse by letting less heat escape from the building; to melt snow on the roof, Tanner theorizes.

The roof, which was lighter than the one it replaced, was designed by Keith Flynn and built by Consolidated Enterprises, Inc. Anchorage.

School district building codes require that roof structures carry 40 psf in live loads. The consultant investigating the collapse estimates the weight of snow on the roof at 25 to 30 psi.

'Responsibility has not been indicated yet.' Tanner says 'We'll have more of those answers when the final report comes from the engineers.'

The district hopes to replace the roof by March."

(From ENR/January 26, 1984)

WALSH FRIDAY.

DEPARTMENT OF COMMERCE
BUILDING CODES DIVISION
Labor & Industries Building
Salem 97310 Phone 378 4133

P. S. to dear Ken

Looks like a complete failure of everything but the roofing.

Editor.

We urge your vote for Paul Edlund, FCSI, CCS, Nominee for Vice President of the Institute.



Paul is an Architect member of Willamette Valley Chapter and was our Region Director 1979-82, Institute Vice President 1982-83. Paul's specialty in Specifications is education. He conducted the Portland Chapter February Education Seminar "Specification Writing Language!"

LIEN LAWS

A SEMINAR ON:

Oregon and Washington Lien Statute
Notice of Right to Lien
Lien Notice
Foreclosure of Lien

MARCH 13, 1984

2:15 to 5:15
Thunderbird Inn (Coliseum)
1225 N. Thunderbird Way

SPONSORED BY

Portland Chapter CSI

The seminar will be followed by CSI's monthly meeting starting with a 5:30 no-host cocktail hour, 6:30 dinner, and 7:30 program. Note: The evening meeting is separate from the seminar.

SEMINAR COST: \$10.00 Member
\$12.50 Non-Member
\$ 5.00 Student

Name: _____

Address: _____

City and State: _____ Zip: _____

Make checks payable to: **The Construction Specifications Institute**

Mail to: **CSI**
1125 S.E. Madison, #200
Portland, OR 97214

PANEL MEMBERS

Architect: Dick Ehrmann
Ehrmann & Associates
Oregon Attorney: Bill Merritt
McClaskey & Greig
Washington Attorney: Doug Whitlock
Whitlock, Potter & Saunders
Contractor: Pat O'Brien — OTKM
Material Dealer: Bill Alexander
Parr Lumber Co.

FORMAT

Attorneys Bill Merritt and Doug Whitlock will present the Lien Statute for Oregon and Washington respectively. A panel presentation will follow demonstrating the Commercial Lien Statute for Oregon and Washington.

Continuing Education Units
0.2 CEU's (\$3.00 extra).

FUTURE SEMINARS IN THIS SERIES:

May — Modes of Specifying

February Chapter Meeting

The February 14, Valentine's Day 1984 Meeting of Portland Chapter of CSI was well attended by Valentines as well as new members Hoichi Kurisu and Gerry Laine. New members Steve Brauser, Glen Krause, and Bud Rogers were identified. Also present for the meeting was Paul Edlund FCSI. Paul presented the Education Seminar in the afternoon.

The program began with Dennet Latham introducing three architects, who gave their views of problems in construction.

Don Eggleston, the immediate Past President of Portland Chapter CSI, led off with a list of areas where his firm had had some trouble and then discussed some specific problems. His major area of concern was Shop Drawings. Don recommended that people read the article by Bill Merritt in the January, 1984 issue of The Construction Specifier on reviewing Shop Drawings. Shop drawings can be a benefit or a pain.

Detention doors are a problem if they are supposed to have wiring to them and they do not. Elevators also create problems because no one person is responsible unless an Elevator Consultant is used. The Elevator Consultant should be sure that the motor does not draw more power than is available to it. Also marble tile should be installed the same way as ceramic tile and should never be done by someone without experience.

His firm has Job Captains debrief each job in hopes of discovering problems which can be prevented on the next job. His firm also has the policy of not reviewing shop drawings unless they are first checked by the contractor.

Bob Klas was the second speaker and his general topic was on enforcing specifications. An owner wanted one of two brands of paint, and approval prior to bidding if there were going to be substitutions. In this case after the contract was awarded the painting subcontractor asked for substitutions. Bob said he would ask the owner who said "no substitutions." Unfortunately, after construction had begun Klas noted several paint cans on the site, none of which were from approved manufacturers. A telephone call to the Contractor did not correct the problem. The specifications were good but the sub-contractor didn't follow them.

The response from the contractor was:

- 1) Everybody does it - nobody enforces specifications.

2) Subcontractors bid jobs close and then sub them out to the lowest bidder - Subcontractors act as brokers after they bid a job.

3) Material suppliers want to continue to sell products rather than to see if they are getting a good installation of their product.

Pre-approval of subcontractors would eliminate subcontractor brokers. After approval the subcontractor of record should hire the employees. The manufacturer's supplier and sales representative should back up the product and assume responsibility for it.

If a product is specified and another is installed without prequalification - what happens? The attorneys may say it is too much of a hassle to have them take it out and let it go. One solution is not to pay the subcontractor if the wrong product was installed. Also can specify that the manufacturer's representative should be on the job during the installation of the product.

Bertis Rasco was the third speaker and he reported on the specifications history of foamed-in-place urethane insulation on a project in Alaska. Construction was underway when the FTC filed a class action suit so that the insulation manufacturers, contractors and subcontractors were tied up in litigation and could make no submittals. Ultimately the FTC settled the suit but in the mean time the owner paid the bill for the effort to find another product.

Dennet Latham summarized by suggesting that Architects and specifications writers should:

1. Do research and put together a good specification.
2. Specify what the architect and owner want and only what they want.
3. Try to enforce the specification.



Who sez he writes the worst specs in Town?!!

Mystery Guest

Our mystery guest at the February 14 Chapter Meeting was Hoichi Kurisu (Who-we-chee Ku-ree-sue) new member and as far as I can discern the only member of our chapter to have had his work featured on the cover of The Specifier (April, 1983). Hoichi came to Portland from Hiroshima, Japan in 1968 to work on the Japanese Gardens and after four and a half years opened his own firm "Landscape Designed by Kurisu, LTD."

Hoichi is a graduate of Waseda University, Tokyo, Japan (BA '62) and Tokyo Teien Landscape Design and Construction. The mystery is how could his work be used for The Specifier cover and he not know it? Maybe because he only speaks Japanese? (Ed. Joke)

Welcome to Portland Chapter, Hoichi - we'll see you at the Products Fair in Booth # 12 with your hand crafted ceramic roof tile.

"From the Membership"

Don Wallace, CSI. (Portland Chapter). AIA was "The Speaker" at the Willamette Valley Chapter's Western Lumber Seminar held Feb. 23 at Bev's Steak House.

Dick Gira, our president recently assisted in conducting a plastering seminar complete with working demonstrations, at the University of Oregon, School of Architecture.

Tom Crawford, CSI, owner of Pioneer Waterproofing, the northwest's oldest and largest waterproofing company, announces the addition of two new project managers, Richard W. Graves and Bruce L. Townsend. Bruce Townsend, architect, has a Bachelor of Architectural Engineering degree from Washington State University and is a board member of the Portland Chapter of CSI and will be working in the areas of complete restoration, sealant, waterproofing and elastomeric coatings.

The company recently completed restoring the Oregon Bank Building and they just began sealing the new KOIN Center. Projects coming up are restoration of the Heathman Hotel and Portland's new Performing Arts Center, as well as starting a series of educational programs for architects on elements of waterproofing.

245-5013
Portland Chapter

1983-84
President Dick Gira 224-8226
President Elect
Betty Sherman 231-5000, Ext. 755
Secretary Inga Vrla 635-6227
Treasurer Ed Charles 295-0333

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by Stan Carper**

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sponsoring 2 more seminars:

March - Lien Laws

April 7 - CCS Exam

May - Modes of Specifying

Cost: \$12.50 Non-member
\$10.00 Member
\$ 5.00 Student

Approximate time: 3:15-5:15 p.m.
preceding chapter meeting

A flyer will be inserted in The
Predicator the month of the seminar.

**Certified Construction
Specifiers**

Persons who have sent in
applications to take the CCS
examination on April 7, 1984 and are
interested in participating in a
local seminar to improve their
specification writing skills should
contact Stan Carper at 285-4557.



C.S.I. NORTHWEST REGION CONFERENCE

From the Editor

I just observed the ice worm parade
in Cordova, Alaska. The ice worm
was awesome but the police car
bringing up the rear kept blasting
out "Oink", "Oink", "Oink"...keeping
everything in proper perspective.

Ed.

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THE PREDICATOR



Vol. 23 No. 8

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

April 1984

President's Corner by Dick Gira



A Construction Specification Writer

The economy seems to be improving (I am told). If this is so, then perhaps it would be a good time for architectural/engineering firms to critically think about what kind of person tends to make the best construction specifications writers, CSW for short.

During my tenure on the Institute's Education Committee, I was assigned to write an "overview" of a Job Trait of a CSW and I would like to share some of the information obtained for this study which was based on surveys, interviews and research:

First, surveys revealed that the successful performance of a CSW required a person who has specific interests and abilities with the most consistent interest being curiosity about man-made things. This curiosity leads the person to wonder how materials and things fit together.

Visualizing structures in three dimensions, sequencing things in logical order, dealing with infinite details, analyzing thoughts and concepts, observing the most minute details of things, listening to and understanding people, communicating, cooperating, coordinating and influencing others and being able to operate as a service to a team effort were all mentioned frequently as characteristics of the successful CSW.

Continued on Page 2

April Chapter Meeting - 1984 Products Fair

Time: 5:30 p.m. CSI Hosted Cocktail Hour
Lloyd Center
Red Lion Exhibit Hall

Time: 7 p.m. Buffet Dinner

Time: 8 p.m. Program

Cost: \$12.00 per person

After Cocktails in the Exhibit Hall dinner will be served, buffet style in the Cascade Ballroom on the 2nd floor of the Red Lion. Pre-paid reservations are required for the program - no extra seating, please.

Program: Mr. Brand Griffin, with Boeing Aerospace, Kent, WA

Topic: Design of Human Habitation in Zero Gravity Environment

Prepay to CSI, 1125 S.E. Madison

Design of Human Habitations in Zero Gravity Environments

In this year's State of the Union message, President Reagan voiced his support for the development of a manned space station within the next ten years. Mr. Brand Griffin is a member of the manned space station design team at Boeing Aerospace. In his talk at the April meeting Mr. Griffin will discuss the current research and development of space station design at Boeing Aerospace and describe his specific interest in the relationship between humans and the zero gravity environment they (we) will experience in space.

A native of Medford, Oregon, Mr. Griffin received his Architecture and Fine Arts education from Washington State University, Rice University and the California Institute of the Arts.

Among his many accomplishments, Mr. Griffin received the Prix de Rome fellowship for two years study at the American Academy in Rome in 1972-74 and a design award in Progressive Architecture's International Conceptual Furniture Design Competition, in 1981. He produced, at NASA's Johnson Space Center, "A NASA Design Guide for the Influence of Zero-Gravity and Acceleration on the Human Factors of Spacecraft Design." Mr. Griffin has taught architecture at Tulane University and the University of Washington. In addition to his work at Boeing he has been recognized in numerous publications such as, Domus, Architectural Design, and AIA Journal for his creative designs.

Be sure to mail your check in early for this unique and exciting presentation.

Tabletop Display

Visit one or all of the Product Booths in the Exhibit Hall at the Red Lion Lloyd Center, before dinner and program in the Cascade Ballroom Second level.

CSI History

See the November issue of the Predicator for the History of the Portland Chapter Products Fair - our 10th annual.

Coming Attractions

- May - Bid Night (Contractors)
- June - Fun Night

BOARD OF DIRECTORS
MEETING AT NOON
TUES. APRIL 10, 1984
CSI OFFICE
1125 S. E. MADISON

President's Corner

by Dick Gira

Continued from Page 1

Skills needed by the CSW may vary from large office to small. To some degree however, every CSW needs to be skilled in communications, both verbal and written, including active listening, research techniques, leadership and management techniques and in interpersonal relationships such as negotiating, coordinating, arbitrating and consulting.

The CSW is rather a unique person. He or she must possess a good deal of special qualities. The more curiosity, knowledge, interests and skills he or she possesses or acquires improves the CSW's worth.

A CSW should possess general knowledge which can be divided into two distinct categories: present and future. Present knowledge may consist of being aware of such things as existing construction materials, methods, techniques and systems, etc. Future considerations might include computer technology, life-cycle costing-methods, human behavior or organization and management theory.

An interesting post-script of this article I believe, is that I wish to bring to your attention the fact that our main evening speaker at the joint CSI/AIA meeting at the Products Fair in April, will be a person who is presently researching and planning future space station technology for Boeing. This subject should be very appropriate and enticing for any CSW, Architect or Engineer.



(Mrs. Richard) Rose Ann GIRA and President-elect Betty SHERMAN at the Christmas party at the Multnomah Club.

Board of Directors

Meeting of March 13, 1984

Present: Sherman, Charles, Carper, Madrosen, Townsend, Barker, Ross, Largent, Vrla, Latham, Kilbourn, Akeson, Hirte. A quorum was present.

Minutes were approved as read. Treasurer's report for February showed income of \$22,651.00. Charles asked if he should deposit the Products Fair money in the CDIC - Charles explained the deficit for October. It appears the restaurant billed us \$9.50 + 15% for gratuity which amounted to more than the \$10 charged, which accounted for at least \$60, plus the outlay for guests. Treasurer's report was approved.

No reports from Awards, Hospitality, Technical Documents.

Education: Carper stated there were 53 people enrolled for the Lien Law seminar. Curt Finch was to sub for Ehmann who is ill. Membership: Kilbourn distributed updated membership roster. Four new members. New chapter roster ready to be printed. Products Fair: Madrosen said 89% of the booths were sold. Everything proceeding well. \$19,995 collected and turned over to Charles for booth fees to date. Programs: Latham is looking for ideas for the Fun Night in June. Suggestions, Casino night, boat trip, and other funky ideas. Every other meeting is accounted for. Publications: Largent mentioned receiving a letter from a Seattle firm advertising for a spec writer and project architect. She will run this ad in the next issue of The Predicator.

No old business. New business: Sherman discussed having the nominations at the April meeting. Ballots would be mailed shortly after the April meeting to all members. She also noted that all the dinners, etc. at the Dallas convention were half-price if paid by May 15. Ya'll come!

Meeting was adjourned at 1:20 p.m.

Respectfully submitted,
Ingra Vrla, Secretary

March Chapter Meeting Minutes

The March Portland Chapter CSI meeting began with Dick Gira introducing new member Dan O'Brien. See information about him elsewhere in this issue of The Predicator.

The next introduction was of Paul Edlund, FCSI, who is the newly elected Institute Vice President of CSI from Willamette Valley Chapter. Congratulations Paul!

Duane Hall, Northwest Region Conference Chairman from Puget Sound Chapter of CSI was introduced. Duane told us what to expect at the Region Conference. It sounds like a very interesting program.

John Madrosen reminded everyone of the Products Fair on April 17 and 18. The Daily Journal of Commerce is going to do a spread on the Products Fair and Katharine Reid said to contact Rex Schilling at the DJC if you wanted some information included.

Dick Gira said that Registration at the National CSI Convention will be half price if you register by May 15.

Dennet Latham introduced the program. Arnold Kupker representing a form coating manufacturer and Gary Rupert representing a plywood manufacturer discussed overlay plywood.

Overlay plywood is made by bonding a cellulose fiber mat (kraft paper) impregnated with resins to veneer plywood. High density overlay plywood has 50 to 55% resin content and a glossy finish while medium density overlay plywood has 35% resin. Overlay plywood is used for concrete forms because it is not adversely affected by release agents like regular plywood. Overlay plywood now has other uses too. A most informative program.

Mystery Guest

- at the March Chapter Meeting was Dan O'Brien (also see "To the Editor"), new member of the Portland Chapter CSI, President and General Manager of Jarmer Commercial, Inc. Dan lives in Portland with his wife of 16 years and 4 children. Dan and his brother Pat - yes Dan and Pat mysteriously share the same mother - with J. Hirte, CSI, and Don Eggeston, CSI, have a thing going in the Daily Journal of Commerce grappling with the "issue of declining quality in workmanship". Welcome, Dan.

**10th Annual
Construction Specifications Institute
Products Fair Joint AIA/CSI Dinner**
• Red Lion, Lloyd Center •

**Mr. Brand Griffin,
Architect with Boeing
Aerospace will speak**

April 17, 1984

Reservations for reservations April 1, 1984

Join us for • 100 Construction Products Exhibits 11:00 am - 5:30 pm
• CSI Hosted pre-dinner cocktail party 5:30 pm - 7:00 pm
• AIA/CSI joint dinner meeting 7:15 pm and 7:00 pm
• Mr. Brand Griffin, Architect, dinner speaker

Call for details: 238-1462

NBS, NIBS Sign Cooperative Agreement

The National Bureau of Standards (NBS) and the National Institute of Building Sciences (NIBS) recently announced that the organizations have signed an agreement establishing an ongoing cooperative relationship.

This relationship, outlined in a formal agreement known as a "memorandum of understanding" between the two organizations, is designed to expand communications between the public and private sectors to the overall benefit of the nation's building community.

NBS will participate in NIBS activities, thereby being kept informed of institute activities, technical needs, and accomplishments. Similarly, the bureau will keep NIBS informed, through reports and presentations, of its ongoing building research and related fire research programs and findings.

In addition, NIBS annually will provide NBS with a priority list of building community research needs which NBS will consider in formulating its research programs.

NBS Director Ernest Ambler explained that this agreement is in keeping with the central mission of the bureau, which serves as the nation's physical science and engineering measurement laboratory. The bureau's activities include cooperating with private and public organizations in developing and recommending standard practices, codes, and specifications.

NBS Board Chairman Jasper Hawkins, FAIA, said the memorandum of understanding is in keeping with the mission of the institute to provide an authoritative national source of findings and advice to both the public and private sectors of the economy with respect to the use of building science and technology in achieving a more rational building regulatory system in the nation and facilitating the introduction of existing and new technology within the context of that system.

The National Bureau of Standards of the U.S. Department of Commerce has its headquarters in Gaithersburg, Md. The National Institute of Building Sciences, a non-governmental, nonprofit organization authorized by Congress, has its offices at 1015 15th St. N.W. Washington, D.C.

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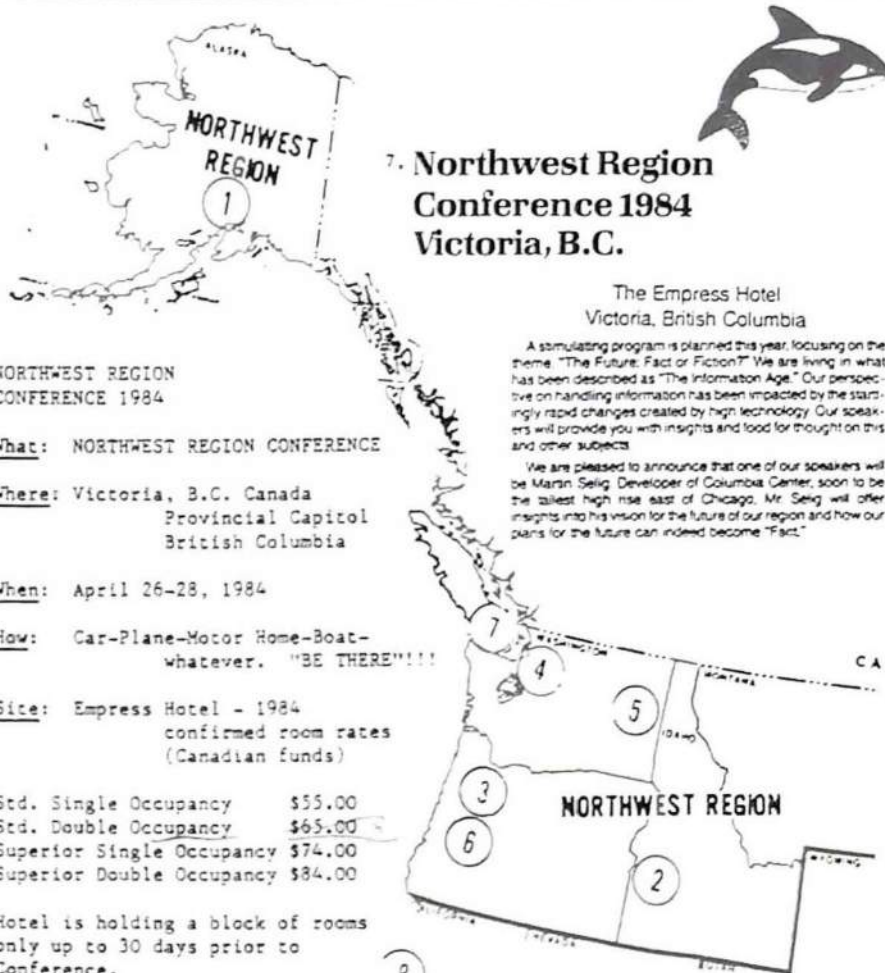
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**7. Northwest Region Conference 1984
Victoria, B.C.**

The Empress Hotel
Victoria, British Columbia

A stimulating program is planned this year, focusing on the theme "The Future: Fact or Fiction?" We are living in what has been described as "The Information Age." Our perspective on handling information has been impacted by the startlingly rapid changes created by high technology. Our speakers will provide you with insights and food for thought on this and other subjects.

We are pleased to announce that one of our speakers will be Martin Selig, Developer of Columbia Center, soon to be the tallest high rise east of Chicago. Mr. Selig will offer insights into his vision for the future of our region and how our plans for the future can indeed become "Fact."

NORTHWEST REGION CONFERENCE 1984

What: NORTHWEST REGION CONFERENCE

Where: Victoria, B.C. Canada
Provincial Capitol
British Columbia

When: April 26-28, 1984

How: Car-Plane-Motor Home-Boat-whatever. "BE THERE!!!!"

Site: Empress Hotel - 1984 confirmed room rates (Canadian funds)

Std. Single Occupancy \$55.00
Std. Double Occupancy \$65.00
Superior Single Occupancy \$74.00
Superior Double Occupancy \$84.00

Hotel is holding a block of rooms only up to 30 days prior to Conference.

NO GUARANTEES AFTER MARCH 25th - FOR ADDITIONAL TRAVEL INFORMATION SEE THE MARCH ISSUE OF THE PREDICATOR.

8. Monterey, California
1985 Tri-Region Conference

Announcing a 50% reduction of all registration fees for the Dallas Convention/Exhibit.

Members registering by May 15th will realize a substantial saving. Completed registration form and payment must be received in the Institute office by May 15, 1984.

FEE SCHEDULES

	Before May 15th	After May 15th
Technical Sessions	\$80	\$160
Spouses Program	40	80
Student Member	20	40
Youth Program	20	40
Day Camp	20	40
President's Banquet	15	30

ADDED ATTRACTION FOR MEMBERS REGISTERING AND PAYING BY MAY 15TH. Early registrants only will be eligible to win two round trip coach airfare tickets awarded in two separate drawings. These tickets, courtesy of Delta Airlines, will entitle the winners to a free round trip coach ticket from the city served by Delta nearest to their home city. The drawings will take place on May 16th and the winners notified by mail.

Don't miss this opportunity to attend the largest CSI Convention/Exhibit ever held and save 50% on your registration fees.

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Current Applicable Codes

Oregon has a statewide building code system. The building code is made up of a number of specialty codes. These specialty codes include: Structural Specialty Code, Mechanical Code, Plumbing Specialty Code, Electrical Specialty Code, Boiler Specialty Code, etc. Maintenance of the specialty codes is the responsibility of the Building Codes Division.

The State Fire Marshal adopts portions of the 1982 Structural Specialty Code (SSC) and the 1982 Mechanical Specialty Code (MSC) as Fire and Life Safety Regulations. Both the Director of Commerce (as delegated to the Administrator of the Building Codes Division) and the Fire Marshal adopt portions of the SSC and MSC simultaneously and publish the result as a single document, which is called the 1983 Structural Specialty Code and Fire and Life Safety Regulations and the 1983 Mechanical Specialty Code and Mechanical Fire and Life Safety Regulations. See Appendix, Chapter 2, of the Structural Code for portions adopted by the Building Codes Division and the State Fire Marshal.

The 1982 Uniform Fire Code has recently been adopted by the State Fire Marshal's office to be the fire code for the State of Oregon and replace instate written regulations. Generally, this code regulates continued use of the building rather than just construction, additions, and alterations that specialty codes control.

As required by statute, we adopt the latest editions of nationally recognized model codes as our specialty codes, but these codes are amended to tailor them to Oregon's specific needs. Enclosed is a chart which shows Oregon specialty codes and their base model codes with the

latest effective dates. There is a continuous effort to improve and update these codes with the help of advisory boards.

The PPI Notebook is a compilation of the interpretations and actions of the Structural Code Advisory Board related to the Structural and Mechanical Specialty Codes. Copies of this Notebook are available from the Building Codes Division at a cost of \$10 each. Periodic updates are mailed to all known holders of this document.

In 1973, the Legislature adopted the concept of a statewide building code. This public policy has evolved and is now embodied in ORS 456.775(1), which says in part:

"(1) The state building code shall be applicable and uniform throughout the state in all municipalities, and no municipality shall enact or enforce any ordinance, rule or regulation relating to the same matters encompassed by the State Building Code but which provide different requirements unless authorized by the director . . ." (Emphasis added)

A definition in ORS 456.750(8) says:

"(8) 'State building code' means the combined specialty codes."

In the same section, in subsection (7), specialty code is defined:

"(7) 'Specialty code' means a code of regulations adopted under ORS 446.185, 447.020(2), 456.755(2), 460.085, 460.360, 479.730(1) or 480.535; but does not include regulations adopted by the State Fire Marshal pursuant to ORS chapter 476 or ORS 479.010 to 479.200 and 479.210 to 479.220." (Emphasis added).

Prior to the adoption of the statute which set up the State Building Code in 1973, the State Fire Marshal adopted large portions of the Uniform Building Code and Uniform Mechanical Code as Fire and Life Safety Regulations. By definition, these regulations are not part of

the Structural and Mechanical Specialty Codes and, therefore, are not uniform throughout the state as specified in ORS 456.775.

After the State Building Code statute was adopted, we were notified by the Attorney General, in a written opinion for exempt areas and later by an oral opinion for nonexempt areas, that local governments may amend those portions of the Uniform Building and Uniform Mechanical Code which has been adopted by the State Fire Marshal due to the limitations in the definition of specialty code. By statute, the State Fire Marshal is excluded from authority in one and two family dwellings; therefore, the State Building Code in one and two family dwellings is uniform statewide.

The Troutdale case tested State uniformity of the specialty codes, since the requirement in Troutdale was that dwellings have double wall construction where the State Building Code allowed single wall construction. The State, ultimately, partially lost the Troutdale case when the State Supreme Court found that it was not clear that the Legislature intended the code to be uniform statewide, but the Supreme Court did determine that under the State Constitution it was legal for the State to pre-empt code adoption and made it uniform statewide. The next session of the Legislature passed clarifying legislation and it is now clear that the State Building Code is uniform statewide.

Many organizations interested in the code maintain standing code committees which follow the code change process and alert their membership to code development issues and changes which are felt significant. Your organization may wish to subscribe to the Secretary of State's Bulletin which lists new regulations.

Fred W. Heard, Director, Dept. of Commerce, State of Oregon

To purchase the code books above - CSI members may call, write or visit us at our new bookstore and take advantage of the coupon below. Mention this article and membership in CSI and take an additional 5% discount - that is 15% off in-store and 10% discount for mail or telephone orders. This offer expires on June 1, 1984.

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SPECIALTY CODE	BASE MODEL CODE	EFFECTIVE DATE
1983 Structural Specialty Code and Fire & Life Safety Regulations	1982 Uniform Building Code	8/ 1/83
1983 Mechanical Specialty Code and Mechanical Fire & Life Safety Regulations	1982 Uniform Mechanical Code	8/ 1/83
Plumbing Specialty Code	1979 Uniform Plumbing Code	1/ 1/80
Electrical Specialty Code	1981 National Electrical Code	10/ 1/81
Boiler Specialty Code	Boiler & Pressure Vessel Code of the American Society of Mechanical Engineers	1/23/81
Elevator Specialty Code	ANSI A17.1-1971 and Supplements A17.1a-76	1/ 1/81

BS by KS

Basic Specs by Ken Searl

Recently there appears to be an increase in receiving Notices of the Right to Lien from various suppliers and sub-contractors. Apparently it is a sign of the times due to the present economy. I feel some firms are sending out these notices indiscriminately by sending them out to all or nearly all accounts. In fact, the Building Material Dealers Association of Portland has a standard form on which it is stated, "This is part of the customary routine of transacting business in the construction industry," etc. It seems to me that this is a heck of a way to run a business. Hopefully this will change for the better.

When one or more of these notices are received by an architect it tends to create uneasiness and a doubt as to whether or not the General Contractor is on solid footing, even though his financial condition may be excellent. It is sort of like the feeling one can get when words or actions tend to be misleading. For example, a full-time job inspector can write on the daily report that the contractor or architect was "on the job sober." Well we all know contractors and architects are always on the job sober but it still casts a doubt in one's mind. I admit construction projects can drive one to drink, but of course only after working hours.

I contacted a firm that filed a Notice of the Right to Lien and asked them for more details. They told me it was felt that due to Oregon law, which apparently only allows 8 days to file a Notice of Right to Lien after delivery of materials, they had to protect their firm's pocketbook. I pointed out that this practice is not necessary if the contract documents require both a Performance Bond and a Labor and Materials Payment Bond. Many contracts are written this way and it protects the suppliers as well as the owner. One word of caution is to be sure the requirements cover both types of bonds, not just a Performance Bond. I haven't figured out yet just why the State of Oregon has the 8 day requirement.

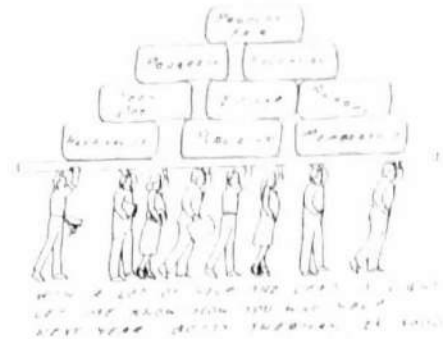
One last item not connected with the above is the telephone game many of us play in our working hours. I call it Searl's Law: that's when you call me when I am on the telephone, then I call you when you are on the telephone, then you call me when I am on the telephone, etc. This can go on for 4 to 6 hours, or even until the next day. If we are real lucky maybe we will forget what we called about in the first place.

PS for BS by KS

No, the reason Don Walton and old Ken didn't attend last Chapter meeting isn't we aren't speaking to each other - it is because Don was in Montana and I was in Bend and Redmond.

Don called Ken the "Worst Spec Writer in Town!"

Editor



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Education Committee

by Stan Carper

Portland Chapter CSI will sponsor 1 more seminar:

May - Modes of Specifying

Cost: \$12.50 Non-member
\$10.00 Member
\$ 5.00 Student

Approximate time: 3:15-5:15 p.m. preceding chapter meeting

A flyer will be inserted in The Predicator the month of the seminar.

From the Editor

Remember The Predicator for either full page insert ads @ \$100.00 each or card ads, if you prefer @ \$20.00 each.

Ed.

To the Editor

RE: March, 1984 President's Corner

Dick Gira's remark triggered a related, but tangential thought which occurs to me about twice a month when another State agency or an elected official asks our office for help related to problems of construction in residential buildings. There is a dispute between the owner and the builder. We are asked for advice as to whether the building code has been violated. Usually, we find that the minimum requirements of the building code have been met but the construction is still not satisfactory to the owner. The owner thought that by relying on the building code, he would be assured

that the new home would be satisfactory to his needs. Only specifying compliance with the building code is like asking that your new car comply with Oregon Motor Vehicle Code. The automobile will be assured of having headlights, taillights, windshield wipers, muffler, rear view mirrors, etc., but may be a subcompact rather than the luxury sedan that was expected.

In addition to the safety codes, the owner needs to specify color, brand, type of transmission, air conditioning, vinyl top, etc.

Over the years, I have suggested to the Home Builders Association and the State Builders Board that there is need for standard specifications for residential construction which could be attached or referenced by each residential set of plans which would better define the responsibilities of the builder and place limits on the expectation of the owner. These specifications would be part of the owner/builder contract and when disputes arise, provide a basis for resolution.

If CSI were to develop such a standard specification and maintain it, it might be a money maker for the Institute and provide a valuable public service to boot.

Just a thought.

Sincerely,

Walter M. Friday, P.E., Manager
Structural/Mechanical/Prefab Program
Dept. of Commerce - Bldg. Codes

Dear Dick:

. I feel a little put off by your remarks in the February Article. (The Predicator)

We started our Company this past October in one of the sub-contracting trades. We started on a solid base with substantial experience in Estimating and Project Management.

. we have found in some cases the exact opposite of "inexperienced sub-contractors." We have found the experienced contractors who know how to twist the knife, asking (15) sub-contractors to quote one specialty in the bid process. I feel that those contractors, in order to get low, are looking for the person/firm who makes the mistake and realizes it only after the fact, i.e. contract signed and construction underway. This process causes poor quality workmanship with less than standard materials.

. another item we run into is the contractor who uses your low bid in the bid proposal submittal and then uses a sub-contractor who did not bid the job or allows your competition to adjust their price to shift the job from "yours" to "theirs."

When the contractors decide they want the process clean they will select the sub-contractors they really want to bid the job. The pricing, quality and atmosphere will change. . . . etc.

Thanks for the ear.

Sincerely,
JARMER COMMERCIAL, INC.
Dan O'Brien

Portland Chapter

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THE PREDICATOR



Vol. 23

No. 9

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

May 1984

President's Corner

by Dick Gira

As an art, communications has grown in technique and has become very sophisticated in recent years. CSI is certainly in the communications business. Specifications writers and architects are too. Good communications starts at "home" (at the office) however. If there are company policy changes which affect the drawings or specifications, then all people in the company should know about it. All people in the company should, as a matter of fact, put into practice the new policy. All should be communicating from the exact same frame of reference.

When communicating within the firm or outside with others, it not only means talking, drawing or writing, it also means listening and understanding. Can a firm become too sophisticated when communicating with their employees? Let's see, let's give some examples:

Suppose you are a specifications writer and you "just happen" to see a note from your boss describing you in very flattering terms and you quite naturally interpret that note in a very positive way ... however, I wouldn't necessarily go out and spend a lot of money in anticipation of a large salary increase. For instance, if you see the phrase: "Forceful," this to your boss may mean ARGUMENTATIVE, or "Exceptionally well-qualified" may mean MADE NO SERIOUS BLUNDERS YET, or "Careful thinker" may mean WON'T MAKE A DECISION, or "Strong principles" may mean STUBBORN, or "Spends extra hours on the job," may mean MISERABLE HOME LIFE, or "Active socially" may mean DRINKS TOO MUCH, or "Uses logic on hard problems" may mean FINDS ANOTHER TO DO THE JOB, or "Conscientious" may mean SCARED, or "Meticulous attention to detail" may mean NIT-PICKER, and finally, "Of great value to the organization" may mean GETS TO WORK ON TIME.

How is that for being sophisticated in your phraseology?

Note: the tongue-in-cheek examples above by E. James Brennan.

BOARD OF DIRECTORS
MEETING AT NOON
TUES. MAY 9, 1984
CSI OFFICE
1125 S. E. MADISON

May Chapter Meeting

- CONTRACTORS
BID NIGHT - May 8, 1984

FIRST Notice published first and last time this year

CSI Portland Chapter

Construction of New CSI Meeting Place Bids due 9:00 P.M. May 8, 1984

ADVERTISEMENT FOR BIDS

Sealed bids for the construction of a new meeting place for next year's CSI meetings (i.e., "Betty Sherman's Entertainment Palace") will be received at the ThunderBird at the Coliseum banquet room until 9:00 p.m. Daylight time on May 8, 1984.

Plans and specifications may be examined during a social hour at 5:30 pm. and into dinner at 6:30 p.m. on the same day the bids are due!

The cost to purchase plans and specifications, including dinner, is \$10.00. Interested prequalified bidders (CSI members and their guests) shall make reservations for the bid night through the CSI office, 238-1462, by noon Friday May 4, 1984.

Bidders shall be prepared to tabulate bids by supplying their own writing instruments, and calculators, and/or personal computers.

CSI is an Equal Opportunity Organization.

Tabletop Display

Our program this month is a general topic. Any member of CSI interested in displaying products of a general nature should contact Gary Zagelow at 655-7166.

Coming Attractions

June - Fun Night

Our final Chapter meeting will consist of a "Fun Night" - watch for details - mark your calendar! June 12, 1984.

Friends,

After twenty years, I'm leaving Portland.

For twenty years, I've worked with people like you thought out the Northwest - and loved it! Now I am transferring to Los Angeles as Los Angeles Roofing Branch Manager for OCF.

Can you imagine how hard it is to pull up and leave this wonderful part of the world after that long? It is really hard, but the move is an outstanding opportunity for me to continue developing as a person and as a Manager; so it's also exciting for me, though Lona is not thrilled.

The Portland and Seattle Roofing Branches are being consolidated into the Northwest Roofing Branch, under Branch Manager, Jerry O'Neill. Technical/Sales Representatives Andy Cleveland and Dan Burr and other OCF contacts will remain the same for the time being. Eventually, additional personnel will be added. Please give Jerry the kind of open communications and support that you have given me.

Thank you for twenty years of success, for your trust and cooperation, and for your friendship. I'll miss you but I won't forget you or your influence on my life and career.

Someday we hope to return to Portland.

Yours, for Better Roofing,

A. Larry Brown, FCSI
Owens-Corning Fiberglas Corp.
P. O. Box 60399

Terminal Annex
Los Angeles, California 90060
(P.S. Larry hasn't dropped out of CSI - he is now a corresponding member of TDC at the Institute level.)

Mechmaster

MASTER MECHANICAL SPECIFICATION AVAILABLE

An award winning Master Mechanical Specification "Mechmaster," published by the Contract Administration Fund (CAF) of Colorado, is now available to engineers. CAF is a statewide organization of piping and mechanical contractors, whose members experienced costly delays and changes on certain projects, when specifications were poorly organized, inconsistent or incomplete. Continued on Page 2

Accurate Contract Drawings

Drawings prepared by Architects/Engineers representing work which has not been coordinated or are otherwise incorrect and cannot be installed as shown have become all too frequent in the construction industry.

Sam P. Wallace Company of Southern California, Inc. was recently awarded more than \$900,000 in arbitration with the University of California. Sam P. Wallace Company's claim was based on the failure of the University at bid time, and thereafter, to provide workable and usable Drawings. The bid set of Mechanical Drawings were in conflict with the architectural, structural and mechanical work. As a result of the conflicts in the Drawings, Sam P. Wallace Company was forced to relocate and re-layout the bulk of the mechanical work in a medical research structure. The Architect abandoned any responsibility for the conflicts and errors contending his double line, 1/4 scale Drawings were only "schematic". Although Wallace possibly had the right to abandon performance because of the condition of the Drawings, Wallace proceeded with performance and was awarded the additional cost expended in correcting the inadequacies.

Contractors have the right to expect contract documents to represent the work to be accomplished and the quantities that are shown to truly represent the scope of work upon which the bid is prepared.

Good Architects and Engineers preparing good Contract Drawings result in a good contract for the Owner as he is aware of the actual scope and cost and is not "surprised" by added costs for errors and omissions which cannot, and should not, be absorbed by a contractor.

From: Contracting Plasterers' Association of Southern California, Inc. "Bulletin" for Feb. 21, 1984

CSI Trivia

According to our By-laws we have eleven Board members - including Past-presidents who do not vote. Four Professional Directors, 2 Industry Directors, the President, President-elect, Secretary, and the Treasurer compose the voting Board. A quorum is made up of a simple majority of these people - Ah yes, a majority of this simple majority must be Professional Members. Sometimes we err. It is important that Professional Board Members attend all Board meetings - at least 4 of them! (members)

Board of Directors Minutes

Minutes of April 10, 1984 meeting. Present: Largent, Searl, Carper, Gira, Townsend, Barker, Kilbourn, Sherman, Destefano, Latham, Vrla

Meeting convened at 12:05 p.m. The minutes of previous meeting were read and approved. Treasurer Charles was out of town - his report was postponed until next month.

Committees: Education - Seminar in May on Modes of Specifying. April seminar very well attended, mostly from industry. Membership - Kilbourn is ready to go to press with new roster. Some discussion about including some latecomers to the list. We will instead put out an addendum later this year. There are 240 members now. (Two new members)

Products Fair - All the booths are sold, speaker accounted for, Women in Construction to take care of registration, a few details still to take care of. 90 people reserved for joint CSI/AIA dinner. Kilbourn arranged to get an Institute display-promoting membership.

Programs - Latham described "Contractor's Bid Night", the program being prepared for the May meeting. Publications - Largent read a letter from an author of a book who would like to have it advertised in The Predicator. Kilbourn suggested we get a "review copy," Searl would write a book review in BS by KS. Consensus approval.

Technical Documents - Kilbourn felt the Substitution Request Form change requested by the Puget Sound Chapter doesn't make it any better and intended to recommend that our form stay the same. If there are plans for a region-wide form we would discuss it further.

Region Conference - 17 people signed up with several more expected. National Convention - Gira read letter regarding the sharing of technical material at the National Convention.

Nominating Committee - Sherman is finding it difficult to fill the President-Elect position. Asked for suggestions. Discussion about asking for nominations from the floor at the April meeting - Sherman wonders if the bylaws should be changed. Something to think about in the next year. Discussed the time limits and qualifications for positions. We will alert CSI members, when we give them their dinner tickets, that they should be considering nominations. Hopefully will expedite the whole procedure. Gira asked for help filling out an informational questionnaire from the Region Coordinating Council.

Meeting was adjourned at 1:15 p.m. Respectfully submitted, Inga Vrla Secretary.

Mechmaster

Continued from Page 1

"The document is a major attempt to alleviate some of the problems affecting participants in the construction process," according to Ed Kwiatkowski, Executive Vice President of Natkin & Company, Englewood, who chaired the Mechmaster Subcommittee for CAF.

"The savings generated through improved communications are expected to be passed along to owners, who will enjoy smoother and more timely completion of projects, as a result. In order to comply with Colorado Requirements and to interface with nationally recognized specifications, standards and products data, Mechmaster is consistent with formats, titles and numbering systems used by the Construction Specifications Institute. CSI has established itself as the leader in specification organization and format, therefore making its selection a natural for the Colorado Publication," Kwiatkowski said.

The document was prepared by Specifications Consultants, Inc. of Colorado Springs and Boulder, under contract to CAF. Mechmaster reflects changes to the CSI Master Format announced in 1983. Instructions and explanatory notes for the specifier are included, allowing use of the document by those who may be inexperienced with CSI Formats. Two mechanical engineering firms reviewed technical content and individuals were consulted in specialty areas (i.e. insulation, controls, etc.).

Kwiatkowski noted, "Among the new features of Mechmaster, is a check list of items which need to be coordinated between Division 15 (Mechanical) and other divisions."

CAF has won two awards for Mechmaster, as a result of its efforts. The Southwest Region, CSI, awarded the "Organization Certificate of Appreciation" to CAF during their Regional Conference held February 3rd and 4th, in Salt Lake City, Utah. CAF is also slated to receive a National Specifications Award for Mechmaster at the CSI Convention, scheduled for Dallas in June.

The 258 Page Mechmaster Publication is available in either a three-ring binder or computer program. The software is compatible with TTY Communications and may be transmitted via telephone. For more information, contact CAF/Colorado, 450 Decatur Street - Suite 200, Denver, Colorado 80204 (303/629-1935).

Northwest Region Conference 1984

Portland Chapter members registered to attend the April 26 - 28 Region Conference in Victoria, B.C., Canada are: John Brockamp, Tom Clucas, John Crook, Dick Gira, Neal Jacques, Lee Kilbourn, Bob Klas, Margie Largent, Ivan McCormick, Ken Searl, Betty Sherman**, Inga Vrla. Several spouses will be attending.

Architects-Engineers

I have been appointed to a sub-committee of the TDC to update or develop a new document to be titled "Abbreviations and Symbols." This will replace the defunct CSI MP-8 document. It is not the intention of this committee to be very creative. My concern is principally mechanical and electrical. Speaking for mechanical, we do have copies of the ASHRAE standards and SMACNA.

We, as a committee, would appreciate receiving any copies of Regional or National efforts of "Abbreviations and Symbols" that you are aware of but will accept "Office Standards" if nothing else can be identified. We will feed these into a computer which is already set up in Champaign, IL and has the CSI, ASHRAE, Hawaii/AIA and Northern California/AIA documents in storage.

If any of you are using a CAD system with a library of abbreviations and symbols, these would be most helpful.

Time is of the essence. I was appointed to this committee a week ago and already we are a couple months behind schedule. Please send documents to:

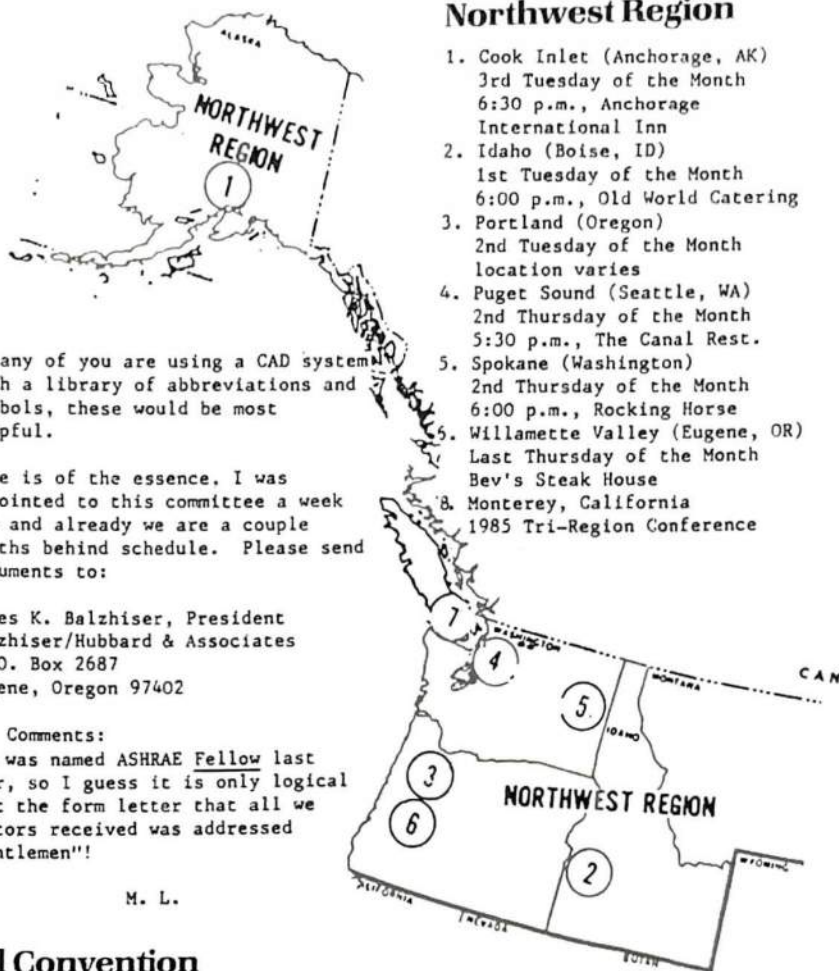
James K. Balzhiser, President
Balzhiser/Hubbard & Associates
P. O. Box 2687
Eugene, Oregon 97402

Ed. Comments:
Jim was named ASHRAE Fellow last year, so I guess it is only logical that the form letter that all we editors received was addressed "gentlemen"!

M. L.

Northwest Region

1. Cook Inlet (Anchorage, AK)
3rd Tuesday of the Month
6:30 p.m., Anchorage International Inn
2. Idaho (Boise, ID)
1st Tuesday of the Month
6:00 p.m., Old World Catering
3. Portland (Oregon)
2nd Tuesday of the Month
location varies
4. Puget Sound (Seattle, WA)
2nd Thursday of the Month
5:30 p.m., The Canal Rest.
5. Spokane (Washington)
2nd Thursday of the Month
6:00 p.m., Rocking Horse
6. Willamette Valley (Eugene, OR)
Last Thursday of the Month
Bev's Steak House
8. Monterey, California
1985 Tri-Region Conference



Annual Convention

Dear CSI Member,

Just an early reminder about CSI's 28th Annual Convention and Exhibit. This year it will be held on June 16-18 in Dallas, Texas. A special invitation is made to new members of CSI to attend their first national convention.

This year promises to be the bell ringer of CSI exhibits—683 booths exhibiting the products and services of over 430 companies. The exhibit is worth the trip in itself. In addition to the exhibit, this year's technical sessions will encompass interesting topics of value to your work and yourself.

Feature speakers, B Gentry Lee and Dr. Steve Falken, will offer a fascinating look into the future and how to deal with change in our changing society. Joseph Kasimer, CSI, will offer his legal viewpoints in two separate sessions—one topic, "The legal aspects of 'How to get paid'." The second topic will be "The need and use of Surety Bonds." A session on the administration of contracts will be chaired by William Trotter, CCS. The session on Products Warranties, a subject of broad interest to our industry, will be hosted by Glen Abplanalp, FCSI. Ben Greenwood, FCSI, will enlighten the industry members, in particular, on the mysteries and marvels of MANU-SPEC as a selling tool. And speaking of sales tools, Dr. Ed Marsh will address a topic of great interest, "Marketing Your Services." All this and more in a dozen technical sessions designed to help you in your work and in self-development.

But all work and no play wouldn't be right—so please plan to attend the after hours social events—the convention mixer on Friday evening—the outstanding CSI/McGraw Hill co-hosted party at a special Dallas location. This year, plan to attend the President's banquet with the awards ceremony in addition to a gala evening. Make the most of this annual convention to meet new and old friends. I urge you to mark this event on your calendar because I plan on seeing all of you in Dallas.

P.S. LOOK FOR A PLEASANT SURPRISE IN YOUR REGISTRATION BROCHURE!

Donald D. Meisel

Donald D. Meisel, FCSI
President

DALLAS!
CSI
CONVENTION
JUNE
16-18
1984
Plan on it!



Wind Engineering Design

The Education Committee of the Oregon ASCE is sponsoring a 1-day seminar on Wind Engineering Design, June 12, 1984.

LOCATION OF SEMINAR

Red Lion Inn/Lloyd Center, 1000 N.E. Multnomah, Portland, Oregon, (503) 281-6111, 8.30 A.M. - 5.30 P.M., June 12, 1984.

This course is designed to give engineers and architects an understanding of wind effects on buildings and structures and the use of applicable design guidelines. ANSI A58.1-1982, NBNA 1982, seminar notes and lunch are included in the registration fee.

INSTRUCTION TEAM:

The seminar will be presented by Dr. Jack E. Gernak, Dr. Arthur N.L. Chia and Dr. Dale C. Perry.

SUBJECTS TO BE COVERED:

Overview of wind engineering

Wind characterization

Design example (using various code provisions)

Wind tunnel tests

Code approach

REGISTRATION

The registration fee for the seminar is \$125. — for pre-registration received by May 12, 1984, \$145. — for pre-registration received after May 12, 1984 is \$165. — at door registration is subject to space. Participants will be limited to the first 75 registrants.

For further information call: Otto Van Walstijn (503) 222-3452, or Don Ruff (503) 230-5569.

Send Registration to:

American Society of Civil Engineers, Oregon Section
c/o Leon Kenpper
3314 N. E. 22nd Ave.
Portland, Oregon 97212

April Chapter Meeting

Dick Gira, Portland Chapter CSI President, opened the joint AIA-CSI meeting with the CSI nominating committee report:

President-elect: Margie Largent
Secretary: Inga Vrla
Treasurer: Jim Davidson

Directors, Professional (two to be elected):

J. Min Luey
Dennet Latham
Curtis Finch
Neal Jacques

Directors, Industry (one to be elected):

Stan Carper
Jim Hirte

Ballots will be mailed to all CSI members for return before or at the May 8 meeting.

Dennet Latham then introduced Brand Norman Griffin, who discussed Space Station Design; and human habitations in zero gravity environments.

Mr. Griffin began his talk with a concept which was of interest to me. A space suit is a space craft because it is essentially a craft design to support an individual in space. In space one assumes a "neutral body posture" - hunched shoulders, lowered head and legs hanging limp. It made me think of the survival position one takes in water.

In order to design a space station, one must consider certain things such as no gravity, and the "neutral body posture." One must include means of exercising muscles because movement in zero gravity causes muscles to atrophy from lack of use, and the center of gravity of astronaut shifts with redistribution of the weight of blood. For sleeping, astronauts strap themselves to an assigned wall.

The Space Station itself must be designed to be taken up to its orbit by a space shuttle which limits its size, shape, and weight. It also should be a "pre-fab" unit so the astronauts can put the "pre-fab" units together in space. The basic Space Station unit should be adaptable to several different uses such as construction of other satellites, life sciences experiments, making of crystals, purifying compounds, etc.

All in all a fascinating talk which really got me to thinking.

STRUCTURAL FAILURES

THEIR CAUSE AND PREVENTION

The following five points were issued by the Engineering Foundation as a summary of the findings from a conference of 40 national experts held in Santa Barbara last November:

1. STRUCTURAL INTEGRITY

The overall structural integrity of buildings should be improved by use of design concepts and details which provide ductility, continuity and redundancy. Nonredundant structures should be avoided or, where necessary, designed and constructed with a higher level of safety. Standards development organizations should recognize the need for higher safety factors for nonredundant structures.

2. LIFE SAFETY ASSURANCE

The design professionals must be responsible for assuring that the completed building is safe for occupancy. This responsibility includes the safety of the basic design, the structural details, checking shop drawings, field supervision and verification of structural safety related matters. The design professionals should certify that all safety requirements have been met before a certificate of occupancy is issued.

3. PEER REVIEW

All buildings above a certain threshold level should have a comprehensive review of the structural design and details by an independent professional. The threshold level will vary according to the building occupancy, size and uniqueness. Peer review may be provided by the cognizant building department if it provides a thorough structural review by a professional engineer.

4. DEFINITION AND ASSIGNMENT OF RESPONSIBILITY

A document should be developed which sets forth the many areas of responsibility necessary for the design and construction of a building. This document could be used as a checklist to assure that responsibility for all life safety considerations is assigned and understood by all parties to the construction process. Since the assignment of responsibilities may vary from project to project, several models need to be developed. This document should be prepared by and agreed upon by a committee with representatives from the national societies and associations representing the major participants in the construction process including owners, designers, regulators, and contractors.

5. UNIFIED RISK INSURANCE

The insurance industry should develop a blanket, all purpose risk policy which simultaneously will insure all members of the project team under a single umbrella. The policy should cover design, construction and occupancy of the building. Such a unified policy would greatly help restore cooperation and teamwork in the overall construction process. It would remove current impediments to communication between members of the building team.

(Reprinted from SEACC Update, Feb. 1984)

GSA to drop requirement for listing subcontractors

The U.S. General Services Administration plans to issue this month a change in its procurement regulations that would drop the requirement that prime contractors list subcontractors when bidding on government building contracts.

The action was denounced by subcontractors, who said the change would significantly increase "bid shopping" by successful bidders trying to cut subcontract costs after receiving a contract award.

Under regulations in effect since 1963, successful bidders were required to use listed subs unless there was a challenge.

GSA said it was dropping the requirement because bidding problems and protests have delayed award of contracts and in some cases have caused rejection of low bids.

The American Subcontractors' Association objected to the change on the ground that a qualified, responsive sub should be assured that he will be awarded the work if he submits the lowest price at bid opening.

Also complaining that the change would encourage bid shopping was the Mechanical Contractors Association of America.

The Associated General Contractors of America, on the other hand, supported GSA's policy change. It said the listing requirement "only contributed to the number of non-responsive and unacceptable bids received by GSA." AGC contended that the requirement placed general contractors in the "untenable" position of being committed to a sub before having a written agreement with him, and "put an inequitable risk on the contractor when alternative bids are requested." □

MODES OF SPECIFYING

A CSI SEMINAR FOR YOU

MAY 8, 1984

3:15 to 5:15 P.M.
THUNDERBIRD INN (Coliseum)
1225 N. Thunderbird Way

Sponsored by Portland Chapter CSI

METHODS OF SPECIFYING:

1. Descriptive
2. Proprietary
3. Reference standards
4. Performance
5. Nonrestrictive
6. Cash allowance
7. Procurement

DENNIS OBERT, CCS, MODERATOR

19 years architectural experience, 9 years specification writing,
Presently Construction Specification Consultant

The seminar will be followed by CSI's monthly meeting starting with a 5:30 no-host cocktail hour, 6:30 dinner, and 7:30 program. Note: The evening meeting is separate from the seminar.

SEMINAR COST: \$10.00 Member
\$12.50 Non-Member
\$ 5.00 Student

Name: _____

Address: _____

City and State: _____ Zip: _____

Make checks payable to: The Construction Specifications Institute
Mail to: CSI
1125 S.E. Madison, #200
Portland, OR 97214

BS by KS

Basic Specs by Ken Searl

By this time our weather should be getting better but in Oregon one never knows, so I will talk about inside items. For several years I have been considering buying a computer that would do work for both my home and office. Originally the price was just too high and my knowledge of what was actually needed was at best limited, so I just mused along hoping.

After several years of looking and asking questions I finally bought a computer complete with a letter-quality printer. As of this moment I no longer ask questions on what to buy but on how to properly run the darned contraption. More about this later, but back to the basics of computer selection. In the first place computers are not just for medium or large offices. As I see it a one-to-three person office really needs a computer to get more work done which will result in more profits in the long run.

There are two methods one can consider in purchasing a computer or we can also refer to it as a word processor. One thing I have done is to ask lots of questions keep looking at all the computer stores and see what is available. I also took some training on a couple of machines. One thing to watch out for is that many computer sales persons really don't know all they should about what they are trying to sell.

Another method in your quest for computers is to engage the services of a computer consultant. Here you may have a problem because how does one know if the consultant is actually what he or she claims to be? Some of them are excellent but I believe they are geared to the larger computer users and therefore

their thinking reflects this and consequently their recommendations can be advising one to purchase more than is needed. I do believe a good consultant can be of significant value in the purchase of the larger systems but for the average small architectural or engineering office I believe the proper research on what to buy will be satisfactory.

My recommendations for a computer for a medium to a small office is as follows: Not less than 64K with 2 disc drives consisting of not less than single sided double density. Double sided double density is better for more storage.

My own preference is to buy a computer with built-in disc drives with not less than a 9" screen and unit that is equipped with a RS 232 port to add a modem if so desired. The printer can be low-priced but be sure it is a letter-quality printer. A dot matrix printer in addition is also nice but you can buy this later. Now you ask how much does this cost. My purchase price was \$1680.00 including the printer and there are several machines available up to \$2250 including the printer. One important item when making a purchase is just how much if any software comes with the purchase price. Some come with up to 8 to 10 programs and others come with none, and you have to buy each program separately. Another item is how much training is included with the purchase. I could go on and on but I won't. These are my views on computers for the smaller offices and I want to stress that a computer in a small office doesn't cost, it pays.

Ed. comment. How about doing your column in 36 character width and you'll be the best BS'er in town!

M.L. (no gentleman)

"From the Membership"

Our CSI president, Dick Gira, spoke to the Medford Chapter AIA on March 20, 1984. Dick was wearing his NWLPB hat that says "Oregon Director of Northwest Lath & Plaster Bureau."

Editorial Response, page 6, by our Seattle member Rob McDonald.



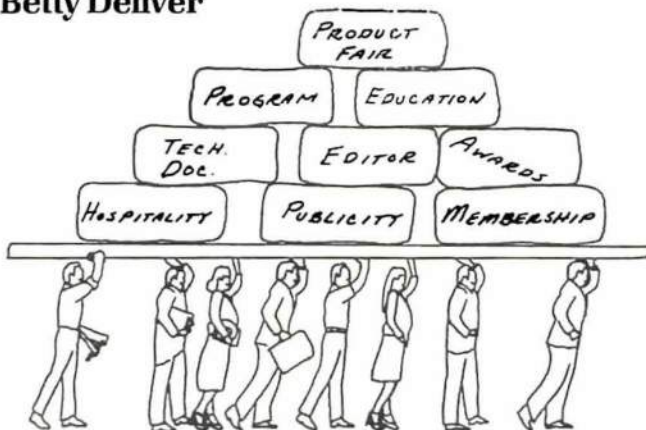
The April 6, 1984 Daily Journal of Commerce, scooped your editor who has been trying to get "Bio" out of Ed. Charles all year. Why? Because he has the best signature I've seen and I wanted to use it in The Predicator with a story about the "hidden artist" within - well, Ed is a painter and a good treasurer for Portland Chapter CSI. The DJC didn't mention this so I am going to say that Ed is an artist and his "John Henry" is hereby submitted as proof:

Edward E. Charles

oooooooooooooooooooo

***Betty Sherman is wearing one of the biggest diamonds I've seen - an engagement type.

Help Betty Deliver



WITH A LOT OF HELP THE LOAD IS LIGHT.
LET ME KNOW HOW YOU WILL HELP
NEXT YEAR. BETTY SHERMAN, 231-5000

Annual Convention

It will be
Texas Style
of course!

Portland Chapter 1983-84

President Dick Gira 224-8226
 President Elect
 Betty Sherman 231-5000, Ext. 755
 Secretary Inga Vrla 635-6227
 Treasurer Ed Charles 295-0333

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 Greg Ross 226-2921
 Jim Hirte 244-0843
 Karen Akeson 242-9053
 John Barker 231-9118
 1982-83 President
 Don Eggleston 228-6444

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 Program, Dennet Latham 222-1917
 Education, Stan Carper 285-4557
 Technical Documents,
 Dennis Obert 245-7802
 Editor (Publications)
 Margie Largent 636-6977
 Awards, Cristal Arnold 252-5585
 Hospitality, Pat O'Brien 241-2875
 Publicity, Joe Wood 232-4000
 Membership, Lee Kilbourn 224-3860

**Region RESPONSIBILITIES for
Portland Chapter Members:**

Region Awards Chairman
 Bob Klas 644-4222
 Awards Selection Committee
 Les Seeley 287-7135
 Region Technical Chairman
 Ivan McCormick 226-1431
 Region Operating Guide Revisions
 Don Walton 643-9491
 CSI Appointee to American Arbitration
 Association Regional Construction
 Industry Advisory Committee:
 Bill Merritt 283-5178

Region Directors

Arthur A. Nordling 509-838-8681
 c/o Walker McGough Foltz Lyerla
 West 244 Main Avenue
 P. O. Box 1482
 Spokane WA 99210
 David E. Thomas 206-483-9388
 c/o Thomas Architectural Products
 8107 222nd S. E.
 Woodinville WA 98072

**Education Committee
by Stan Carper**

Portland Chapter CSI will
 sponsor one more seminar:

May - Modes of Specifying

Cost: \$12.50 Non-member
 \$10.00 Member
 \$ 5.00 Student

Approximate time: 3:15-5:15 p.m.
 preceding chapter meeting

A flyer is inserted in The
 Predicator this month.



PORTLAND CHAPTER No. 54
 NATIONAL ASSOCIATION OF WOMEN IN CONSTRUCTION
 is pleased to invite you to
OUR FOURTH -- ANNUAL GOLF TOURNAMENT
 "TEXAS SCRAMBLE" (18 Holes)
 Friday, June 15, 1984
 Glendoveer Golf Course
 (westside of course)
 14015 N.E. Gilsan St. Portland

The fourth mixed tournament sponsored by a women's group
 Come and enjoy a great day!

Only \$ 20.00 per person, which includes lunch, coffee, beer, and soft drinks.
 Invite your friends and join us for a day of fun!

LOTS OF PRIZES

RESERVATIONS Taken Tuesday, June 5, 1984
 8:00 A.M. - 4:30 P.M.

CALL Dee Gower at Lloyd Corporation -- 233-5874
 To reserve an electric cart, CALL Glendoveer -- 253-7507

Please complete the following and return with your check
 for the number of tickets required.

Name of Firm

To the Editor

Dear Dick,

Read your column in The Predicator
 for March - Pasadena City College
 has, or did have, a course in Spec
 Writing - as does or did Washington
 State University - both taught by CSI
 members, FCSI in fact.

However - a good spec writer largely
 comes out of the ranks of
 architecture and engineering,
 because of the onslaught of
 unrelenting technical media
 bombarding the specification writer
 - a good background in the business
 of architecture or engineering is
 rather essential. A lot of drop-out
 spec writers can trace their
 ineffectiveness to a lack of
 background experience.

This is not to say we shouldn't
 teach it - but we should teach it
 saying; "before you can become a
 well rounded architect or engineer"
 - "you must know about specification
 writing." Thanks for your thoughts.

Sincerely Rob MacDonald, CSI
 Certified Construction Specifier
 16524 S. E. 278th St.
 Kent, Washington 98031
 Member: Puget Sound and Portland
 Chapter CSI

P.S. And how about roofing in the
 curricula? (not very often taught).

Rob MacDonald

The Predicator

1125 S.E. Madison, #200
 Portland, OR 97214

Address Correction Requested

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THE PREDICATOR



Vol. 23

No. 10

Construction Specifications Institute
1125 SE Madison, Rm 200 Portland, OR 97214 238-1462

June 1984

President's Corner

by Dick Gira



It Has Been a Good Year

Do we have a good chapter? You bet we do, and it can get better!

It all begins and ends with people however. We can plan all sorts of programs, design enticing advertisements, construct efficient specification guides, publish monthly newspapers, and wear our lapel pins and all the rest, but it takes dedicated, cooperative people to make our chapter work.

Fortunately, we are blessed with good people . . . no, exceptional people. Let's see, how can I be more specific? Let me tell you of a small incident which occurred at the recent Regional Conference in Victoria, British Columbia: one afternoon, just before we all sat down in the Empress hotel Dining Room for lunch and a program, I was informed by Ken Searl that he had just secured a commitment from a professional specifications writer, who lived and worked in Canada, and who had been reading our "Predicator" through the months, to join our Portland Chapter. Just about two seconds later, Lee Kilbourn flashed a membership application and not only did our new member sign the form, but Lee also obtained his dues for our chapter right on the spot. I, as President, could not contain my joy and pride in our Chapter. I asked for permission to speak to the entire conference about Portland's newest member, from the podium, which I did.

Continued on Page 2

June Chapter Meeting

CSI Portland Chapter -
25th Year Anniversary Celebration

On the evening of Tuesday, June 12, 1984, the Portland Chapter of CSI will celebrate its 25th year anniversary at a gala event for past and present members and their guests in the rolling hills near Dundee, Oregon. We will board busses at 5:30 p.m. at Lloyd Center for a short ride to the Knudsen Erath Winery for a summer wine tasting and feast. Before savoring the sweet (or dry) varieties of Knudsen Earth's own wine we will tour the winery facility to experience the wine making process. Those in attendance will be able to purchase wine at considerable discount. The wine tasting will be followed by a delightful dinner and reminiscence about Portland Chapter's first 25 years. Come join in the fun on this joyous occasion. Current members will receive invitations with further details for this event about June 1, 1984. Others interested in joining us, please call 234-1462 for information. R.S.V.P. to the CSI office by June 8, 1984 - 238-1462.

Tabletop Display

June Fun Night - no tabletop display

Thank you for your support and good displays for Fiscal Year 1983 and 1984. Help Betty deliver in Fiscal Year 1984 and 1985 - our 25th year!

25-Year Calendar

June 16-17 National Convention in Dallas

Summer 1984 Planning meetings to "help Betty Deliver":

1. in-coming and out-going board members/budget
2. past presidents/programs
3. individual committees


August 10-11, 1984 Region Leadership Coordinating Council meeting at Portland, see page 3

September 11, 1984 First Chapter Meeting - mark your 25th year calendar for the second tuesday evening each month.


Awards


Northwest Region
of the
Construction Specifications
Institute
presents to
Robert R. Klas C.S.I.
the
Region Directors Citation
for exemplary and diligent efforts
to promote and upgrade
the Region Awards Program
during his tenure as
Region Awards Chairman 07 08-09-84
JUNE, 1984


Northwest Region
of the
Construction Specifications
Institute
presents to
Stan Carper C.S.I.
the
Region Education Award
for his efforts in establishing a comprehensive
education program for the Portland Chapter
including a series of seminars
including seminars and seminars made from
the West Coast Chapter
JUNE, 1984


Northwest Region
of the
Construction Specifications
Institute
presents to
The Portland Chapter
the
Newsletter Excellence Award
for The Publisher, Editor-Marko Longren
while displaying exceptional professionalism
in all aspects of newsletter publication
JUNE, 1984

The above awards, reduced in scale - not in importance - are appreciated by the chapter - and by the person or persons so honored. We thank you all for your help. With a little team effort we can put Portland on the CSI map. The next Region Conference (Tri-Reg) is in Monterey September, 1985 (I repeat - 1985) - mark your calendar. Let's make it a "City of Roses" - "End of the Oregon Trail" - "Pioneers-all" - extravaganza for chapter (036). Let's have the next Region Director from our ranks - Bob Klas - see page 3.

President's Corner

by Dick Gira

Continued from Page 1

To some, perhaps, this was a small insignificant incident. To me, it was another delightful episode in the book that I could write about all the hardworking, responsive, creative people it has been my pleasure to work with the past twelve months.

I have called out Ken's and Lee's names but of course I'm talking about all of you. . . The officers, committee people and of course the membership.

To all the veteran members, I thank you for devoting time and energy to this past years' activities.

To all the new members. . . I welcome you on behalf of the chapter and encourage you to participate. Jump right in and share in the work and the rewards, which are many. . . talents and friendliness of your fellow members.

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, June 12, 1984
CSI Office
1125 S. E. Madison

Chapter Meeting Place

As of May 8, I have received 24 replies to my questions about the Thunderbird Restaurant. The tally is:

	Good	Fair	Poor
Facilities	17	6	1
Location	15	8	1
Food	12	10	1

Special thanks go to Pat O'Brien, Hospitality Chairman, who negotiated the arrangements we enjoy at the Thunderbird. Your \$10 buys the following:

Room (3 p.m. - 9 p.m.)
Table Settings
Sit-Down Dinner Service
Gratuity
Podium and Microphone
Chalkboard, Blackboard, etc.

Pat has volunteered to renegotiate our contract with the Thunderbird for next year. Thanks, Pat, for making this part of the load very, very light!

Betty Sherman
President Elect

Board of Directors

Minutes May 8, 1984

Present: Gira, Largent, Townsend, Madrosen, Barker, Carper, Vrla.
NO QUORUM - Meeting was informal.

Minutes of previous meeting were read and approved.

Dick Gira distributed the Treasurer's report, as well as the financial report on the Products Fair. We agreed to table any discussion on these reports until Mr. Charles was available and we had a quorum.

We then discussed the Products Fair and its success. The Chapter came out "in the black" in this endeavour which was gratifying. It appeared there was a favorable response to all facets of the Fair (with the possible exception of the hot dog lunch!). Bruce Townsend and John Barker are in charge of next year's fair and have some good ideas.

We all applauded John's efforts which on occasion took more of his time than he would have wished. Madrosen announced that he is leaving Portland to open a new Plan Center in Sacramento. Good luck John!

Several ideas were discussed for the June Fun Night. An exciting party can be expected!

Margie Largent displayed the Portland Chapter award for Newsletter Excellence which she received at the recent Regional Conference in Victoria, B. C.

Stan Carper received the Education Award.

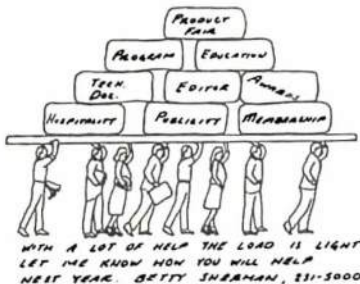
Bob Klas was the recipient of the Awards award for his efforts chairing the Awards Committee these past two years.

Also noted was Bob Klas' nomination to run for Professional Region Director.

Dick Gira also discussed the election of new officers which would occur at the evening meeting.

Gira also asked that we wear our pins promoting the Tri-Region Conference next year in California.

Meeting adjourned at 1 p.m.
Respectfully submitted,
Inga Vrla, Secretary



Help Betty Deliver

CSI Trivia

Portland Chapter, CSI presented its first awards at the 10th annual banquet, Oct. 1970. These included certificates of appreciation to:

Lowell F. Anderson,
Richard Ehmann, (already FCSI),
Al Hansen,
Kenneth Walter,
Andy Olson,
Don Kroeker (our now second only member Emeritus),
Alan (Larry) Brown (now FCSI),
and Perky Kilbourn (from Lee as outgoing president).

Spokane was host to the 1970 Northwest Region (Then Region 12) Conference with Walt Bishop Director.

There was much discussion in 1970-71 about a name change for CSI.

Current By-laws: The president-elect position "Qualifications for office" reads:

NOMINEES FOR OFFICE OF PRESIDENT-ELECT MUST BE SERVING OR HAVE SERVED ON THE BOARD FOR AT LEAST ONE YEAR TO BE ELIGIBLE.

This needs some study and re-thinking and probably re-wording - unless you want to see much more recycling of old presidents, and/or old board members. Some equivalent service to the chapter could possibly be qualification enough?

"From the Membership"

Our President, Dick Gira, gave a program "American Discovers Columbus" (The architecture of Columbus, Ohio) to the Salem Chapter of the AIA on April 24. Dick will give the same program to the Eugene Chapter, AIA, on June 21.

The April '84 issue of "Walls and Ceilings" publication has an article "Do people plaster anymore" by Dick Gira and a 2nd article - including photographs - by Dick Gira on "Hult Center for the Performing Arts."

Byron Jones, a friend and associate of many of our members passed away on May 2, 1984. Byron was 59. Funeral services were held on May 7, at Skyline Funeral Home. He was senior field engineer for the Portland Cement Association.



Bob Klas
Region Director??

LEADERSHIP AND COORDINATING CONFERENCE

The Portland Chapter will be hosting the N.W. Region Leadership and Coordinating Council meeting on Friday afternoon, Aug. 10, 1984 and Saturday morning, Aug. 11, 1984. The location will be the Chumaree Rodeway Inn, near the airport at N.E. 82nd and Sandy, Portland. The Inn's toll-free number for reservations is 1-800-248-6273.

Region Conference

The Northwest Region Conference was held in Victoria, B.C. recently. Robert (Bob) Klas of Portland Chapter CSI has been nominated as a candidate for Region Director. The second nominee is John Greiner of Puget Sound Chapter. Bob received a Region Director's Citation for his efforts as Chairman of the Region Awards Committee for the past two years. Bob has really done an excellent job for CSI and Portland Chapter urges you to support Bob for Region Director.

Your editor, Margie Largent, looked extremely proud as she accepted the Region Newsletter Excellence Award at the Region Conference in Victoria, B.C. Also looking proud and happy was Dick Gira, who accepted the Region Education Commendation Award for Stan Carper, Chairman of the Portland Chapter Education Committee.

Other Region Awards were to Spokane Chapter for Chapter Growth and to Willamette Valley, a Publications Commendation for their 1983 Directory. The other Region Director Citations were to Roy Ball, (President, Construction Specifications Canada), Bob Fritsch, (Willamette Valley Chapter) and Duane Hall (Puget Sound Chapter). Jesse Wilkins was awarded the Frank Stanton Memorial Award for Specifications Excellence.



Region Conference:

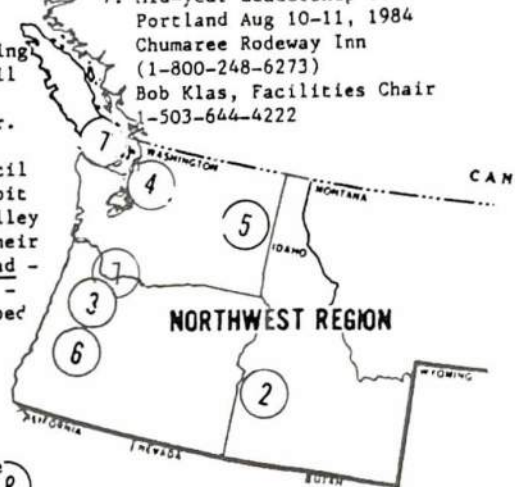
Don Walton and Margie Largent, both of the Portland Chapter, were appointed to audit the Region Trustee's books at the Coordinating Council meeting at Victoria, April 26, 1984. The audit committee reported the books to be in order.

The Education Report at the Council meeting included an interesting bit of strategy by the Willamette Valley Chapter - those "turkeys" took their 1983 education seminar on the road - even to the ends of "Goose Bay" - after they had succeeded or flopped (pun intended) in Eugene. A misprint they say - GOOSE BAY.

Portland Chapter delegates to the National Convention are Betty Sherman, president-elect, Bob Klas (our next Region Director?), and Lee Kilbourn (International) membership Chairman.

Northwest Region

1. Cook Inlet (Anchorage, AK)
3rd Tuesday of the Month
6:30 p.m., Anchorage International Inn
2. Idaho (Boise, ID)
1st Tuesday of the Month
6:00 p.m., Old World Catering
3. Portland (Oregon)
2nd Tuesday of the Month
location varies
4. Puget Sound (Seattle, WA)
2nd Thursday of the Month
5:30 p.m., The Canal Rest.
5. Spokane (Washington)
2nd Thursday of the Month
5:00 p.m., Rocking Horse
6. Willamette Valley (Eugene, OR)
Last Thursday of the Month
Bev's Steak House
7. Mid-year Leadership Conference
Portland Aug 10-11, 1984
Chumaree Rodeway Inn
(1-800-248-6273)
Bob Klas, Facilities Chair
1-503-644-4222



Monterey, California
1985 Tri-Region Conference

Asilomar

ASILOMAR Conference Center (between Pacific Grove and the Pacific Grove gate to 17 mile drive Pebble Beach, California) is the setting for the Tri-Region Conference - our next Region Conference.

Dates: Sept. 5 through 10, 1985.
(Mark this on your calendar)

Estimated Costs: approximately \$30.00 to \$40.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Portland Chapter will send \$5.00 per attendee by Sept. 1984 to hold space. so let Betty hear from you if you think you might be going. You can check in earlier - and/or stay later for the same daily charge if advance notice is given. Watch this corner for more information. It was rumored at the Victoria Conference that the Hawaii Chapter plans to send the "Official CSI Marching Band". Can we top that? Bet your Dog Sled Cook Inlet?

DALLAS!
CSI
CONVENTION
JUNE
16-18
1984
Plan on it!



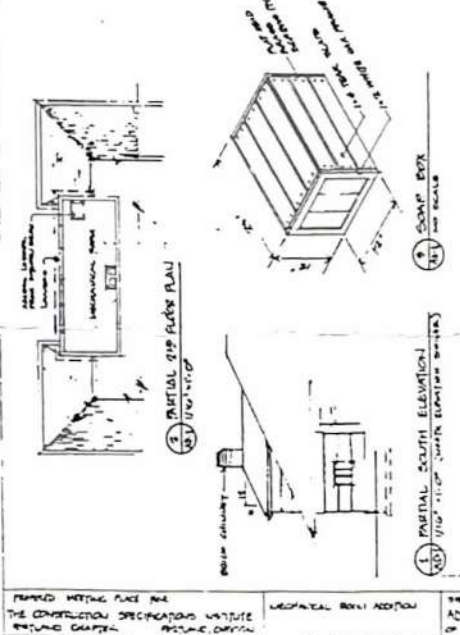
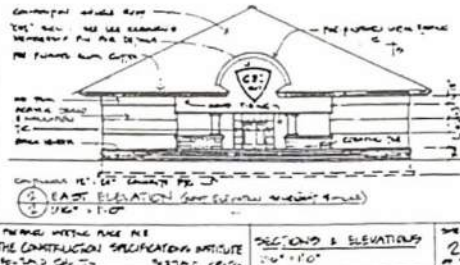
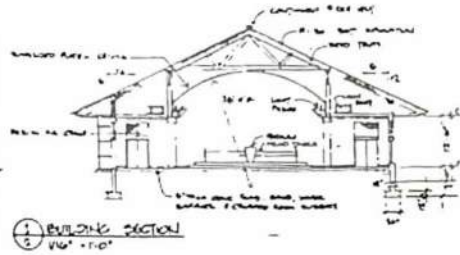
INSTRUCTIONS TO BIDDERS

- Bidding Procedures**
 - All bids shall be submitted in writing on the form attached to these specifications.
 - Bids shall be submitted in a sealed envelope addressed, on the front, to Mr. Dick Sims, Construction Specifications Institute.
 - The name of the Bidder shall be printed in black letters in the lower right hand corner of the back side of the envelope.
 - The Bid Form shall be signed in triplicate by an authorized agent of the Contractor.
 - The Bid shall include a list of subcontractors which shall accompany the Bid.
 - Include the number of calendar days required to complete the work.
- Bid Bond**
 - Each Bid shall be accompanied by a Bid Bond in usual form, certified check or cashier's check to an amount equal to 10% of the Bidder's proposal.
- Bid Date**
 - Bids will be received at 9:00 P.M. PDT on Tuesday, May 8, 1984 at the head table of the CSI meeting at the Thunderstruck at the Coliseum.
- Qualifications Statement**
 - The Bidder shall submit with the Bid a statement of not more than 2% word on why the Bidder is qualified to do the work described in the Documents and why the Owner should not reject the Bid.
- Interpretation of the Documents**
 - If a Bidder has questions regarding the interpretation of the Drawings and Specifications, he/she shall submit such questions to the Architect in writing by 8:00 P.M. the night of the Bid. The Architect may or may not respond to the question in a subsequent addendum.
- Award of Contract**
 - The Owner reserves the right to reject any and all bids.

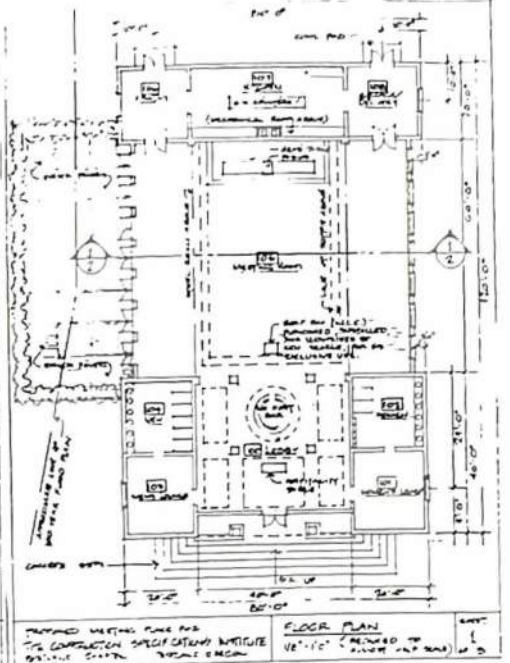
SPECIFICATIONS

- General Requirements**
 - 0102** Summary of work: Extent of the work is shown on the Drawings.
 - 0100** Alternates:
 - Add brick veneer in lieu of synthetic stucco.
 - Replace brass screen on soap box with sterling silver screen.
 - 0130** Substitutions: Submit requests for approval on attached CSI Request Form by 8:00 P.M. the night the Bid is due.
- 2. Stonework**: Stonework will be executed under separate contract.
- 3. Concrete**: Comply with ACI Standards.
- 4. Masonry**:
 - 0400** Masonry Procedures: Comply with recommendations of Masonry Institute - see Tom Young and Larry Gilbertson.
 - 0420** Brick Masonry:
 - Manufacturer: Interpace Corporation or Approved.
- 5. Metals**: Not used very much.
- 6. Wood and Plastic**:
 - 06100** Rough Carpentry: Comply with UBC Chapter 21 with Oregon Modifications.
- 7. Thermal and Moisture Protection**
 - 07200** Insulation: Comply with UBC Chapter 53 with Oregon Modifications.
 - 07311** Acoustic Sponges: Comply with UBC Chapter 42 with Oregon Modifications.
- 8. Doors and Windows**:
 - 08200** Wood Doors: Comply with ANSI/BAMA 1.5.-1.
 - 08600** Wood Windows: Aluminum clad wood element windows w/ insulating glass.
- 9. Finishes**
 - 09210** Gypsum Plaster: See Dick Sims for detailed specifications.
 - 09250** Gypsum wallboard: See Ed Charles for detailed specifications.
- Finishes**
 - 09300** Ceramic and Quarry Tile: Comply with ICADMS 112.1 tile specification. Color selected by Architect.
 - 09360** 3/4" Acoustical Panels as meeting room ceiling.
 - 09350** Wood Flooring: Premium grade maple flooring.
 - 09360** Carpet: Anti-static carpet. Color selected by Architect.
 - 09390** Wall Covering: See Section 09360.
 - 09400** Painting: Comply with Painting Council Specifications.
- 10. Specialties**
 - 10200** Flag Poles: Provide (1) 30" flagpoles with clear anodized finish and (1) CSI flag, (1) Oregon flag, and (1) U.S.A. flag.
- 11. Equipment**:
 - 11400** Food Service: Provided by Catering service by separate contract.
 - Division 12 not used.
 - Division 13 not used.
 - Division 14 not used.
 - Mechanical: Warm air heating system by membership.
 - Electrical: Each meeting shall provide its own electricity.

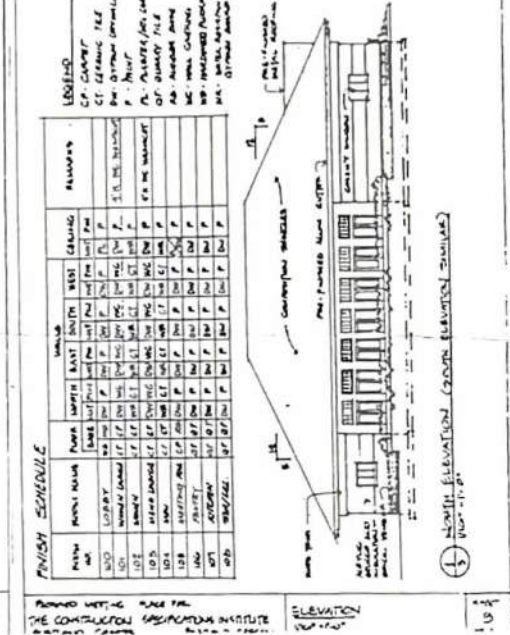
May Chapter Meeting



PREPARED MEETING PLACE FOR THE CONSTRUCTION SPECIFICATIONS INSTITUTE BUILDING CHAPTER



PREPARED MEETING PLACE FOR THE CONSTRUCTION SPECIFICATIONS INSTITUTE BUILDING CHAPTER



PREPARED MEETING PLACE FOR THE CONSTRUCTION SPECIFICATIONS INSTITUTE BUILDING CHAPTER

Bid Night Contract Documents

As you can see from the above, the May Portland Chapter meeting consisted of preparing a bid on "Betty's Entertainment Palace".

Four Contracting Firms (Tables) submitted bids:

Fly by Night Construction Company had the low bid with \$235,995.50.

LB2 was next with \$370,000.00, followed by J. C. Dithers and Co. with \$755,000.00.

Higher Bidder was Eight Winds with a bid of \$3,000,000.00, though when their "inefficient - inexperienced - in-everything else" secretary finally got all the bids averaged and totaled they realized they would build the building for \$370,880.00.

The Architect's estimate was \$445,309.00 which may mean that two of the Construction Firms (Tables) were hungrier than the Architect thought and maybe CSI should build Betty's Entertainment Palace.

Continued on Page 5

To: Mr. Richard Sims
Construction Specifications Institute
Portland, Oregon

Dear Sirs:

The undersigned herewith submit our bid for Betty's Entertainment Palace, Portland, Oregon 97205. In accordance with drawings as defined in Division 1, specifications, and form of contract documents prepared by S. L. & Unrestricted A.I.A. S.P.C.A.

As soon as received. It is imperative that each bidder indicate below the numbers of all submittals received during the bidding period. Failure to do so may subject bidder to declassification.

Receipt is acknowledged of Submittal Nos. _____ through _____ inclusive

Basic Bid: _____

Alternate No. 1 Add/Deduct \$ _____

Alternate No. 2 Add/Deduct \$ _____

The undersigned agrees, if awarded the work, to begin work immediately upon written notice to proceed, given by the Owner after execution of the contract and filing of approved bonds, and to complete all work within _____ calendar days thereafter.

The undersigned agrees, if awarded the work, to execute and deliver to Mr. Richard Sims a contract satisfactory to the Owner on "Standard Form A101 of Construction Agreement of the American Institute of Architects", 1977 Edition, with such added provisions as may be consistent with this specifications, a performance bond in the amount of 100% of the cost of the work, and an L&M payment bond.

By submitting this bid, the undersigned certifies conference with provisions of O.R.S. 279.250 and with applicable federal acts, executive orders, and state regulations concerning affirmative action towards equal employment opportunities.

If awarded the contract, the undersigned agrees to use the following subcontractors, subject to their approval by the Architect and Owner.

Bidder shall list only one subcontractor for each of the categories of work listed below. If item is not proposed to be subcontracted, bidder shall enter "self" opposite that item.

Continued from Page 4

To explain, as soon as dinner was over each Construction firm (Table) was asked to obtain a Bid Bond, which required the signing away of the first born child of all members of the construction firm and then work up a bid. At that moment or shortly thereafter the Contractor at the head table (Pat O'Brien) started receiving bids from various subcontractors (Jim Hirte). Each Construction Firm (table) was provided with a pad of paper to copy down the subcontract bids and figure out which one it was going to accept in preparing its general bid.

The conversation between the subcontractors and contractors was very educational, in that the subcontract bids were not just a basic bid but with and without alternates, as well as some changes in what they were bidding. The Construction Firms (Tables) were also given alternatives from the architect and changes in subcontractors bids within the last 10 minutes of when the bids were due.

The names of the subcontractors were fascinating and had been prepared by Pat O'Brien, Jim Hirte, and Dennet Latham, Monday night and the following are a few:

Thermometer Control Inc.
Less than Total Mechanical
Bore Hole Plumbing
Free Wind Mechanical
Tin Pipe Air Heat
Dim-Bulb Electrical
Square-at-a-time Flooring
Reflective Pleasures
J. A. Smiley Flooring
Hess the Mess Painting
Roll-it-out Floors
Peaked Industries
Metal Benders, Inc.
Drafty Rafters
Cisco Doors
Corand Marinear
Power up electric
Whack-it Construction
Bow Wow Fashion Floors
Cross Wire Company
Wimmer Oner Mechanical
Short Circuit Electric
Stutter Floors
Ivan Slug Ya Inc.
Every Professionals Inegma EPI
See-thru Windows
Burger Hardware
Building & Gone
Acme Hardware
No Fault Glass & Glazing
Slick Vision Glass
Snydely Roofing
Fill-it-tight Installers
Scratchy Insulators
Nail in Thumb, Inc.
Acme Brick Installers
Dig-a-ditch Excavating
Blockhead Construction
Messy Slurry Contractors
Hardrock Cone Construction

Mole Excavating
Poured in Place Concrete
Spade Construction
Have a Hoe Excavating
Flair Woodworking
AA Accessories
Climb-on-us Industries
W. H. Crossiant Company
Leaks Ensured
Jam-it Commercial
AC DC Plaster
Pass Gas HVAC
Pull-Lady Company
Rube Goldberg Carpets
Johnny Nickel Accessories
Slump Masonry
Stick-it-to-them Construction
Quad Interiors
Asbestos Construction
Non-Specialty Woodwork
Rose City Yawning
French-Tintillator Coatings
American Unqualified Products
Pick-a-name Painting
Owens Cornball Acoustical
Jasmo

the job superintendent. Without a good superintendent the project quality can indeed suffer. Work with this person from the very beginning of the project. Get on the job in the early stages and establish quality control procedures. As soon as any work is done that is not considered up to par, voice your concerns at once. Do not wait and hope it will get any better. It may just as easily get worse. On thing that can help is to establish a weekly job meeting with the job superintendent and the major subcontractors. I suggest that both the Owner and the Architect take a more active role in the selection of the superintendent. Some project manuals require the project superintendent be listed on the bid form. There are other items to consider but they usually involve increased liability but it seems to me some additional liability in obtaining a good superintendent outweighs what can happen to a project with bad supervision.

I am glad to hear that people read the Predicator. One fellow called me and asked me what brand of computer and type and what else did I have to say. Now you all know I hardly ever have any thing to say. Ha!

Please be advised that the above was not retyped - the above is the way your editor received it.

BS by KS

Basic Specs by Ken Searl

Did you notice the last issue of the Predicator wherein our fearless editor added a note at the end of the BS column telling me now that I had a computer I should present the BS by KS in 36 columns wide. Maybe she thought that would compress the BS down to a more usable size or else she thought that putting all those BS by KS on floppy disks just boggles the mind. Oh well, as they say in computer jargon or maybe it was Confucious, you don't have to be crazy to buy and operate a computer but it helps. Also as one person said after the purchased computer was put in use for the first time after purchasing, it was sure a lot more friendly at the store.

This issue will be a mish mash of various items. First off have you seen a new product named "Labelon". It is a projection transparency for xerographic/plain paper copier. These are inexpensive (about 30 cents each) and will copy from most anything directly onto these transparencies at very good quality. Check first, however, to see if your copying machine will handle.

Did you know the Portland Chapter CSI now has a member in Edmonton, Alberta? When we were at the CSI conference in Victoria last week I mentioned to Lee Kilbourn if he had the proper papers to cover this application he could sign up an out of country member. Well let me tell you this galvanized Lee into action and he left to get the proper papers, returned and had the signature and the money in two fifths of a second. Lee doesn't know the meaning of the word fast when it comes to signing up new members, he is way above that.

I was talking to one of our clients the other day and he said he would like to see something in the BS about contractors. His main concern was job quality and how best to get it in today's world. It appears to me that the best control for job quality is

ASTM Standards for Floor Surface Flatness to be Written

"No standardized method for floor flatness specification exists in the U.S." according to Allen Face of the Edward W. Face Company, Norfolk, Virginia. "As a result, conflicts are common between owners and contractors over the exact meaning of their flatness tolerance and how that tolerance is to be measured."

This problem prompted ASTM Committee E-6 on Performance of Building Construction, and its Subcommittee E06.21 on Serviceability, to organize a task group to study standards for floor surface profiling.

The standard test method proposed by Task Group E06.21 will be intended for use in evaluating floor flatness. It will complement activity conducted by the American Concrete Institute.

Industry input is sought, either by correspondence or by attending the next meeting, scheduled for 4 April 1984 at the Philadelphia Centre Hotel, Philadelphia, Pennsylvania.

For more information, or to participate, contact S. Allan Face, III, the Edward W. Face Company, Kiltan Avenue and 44th Street, Norfolk, Virginia 23508, 804/489-9300 or Terri Carroll, ASTM Standards Development Division, 1916 Race Street, Philadelphia, Pennsylvania 19103, 215/299-5496.

Bob Klas received one of the Region Director's citations for his efforts as Region Awards Chairman.

Portland Chapter

1983-84
 President Dick Gira 224-8226
 President Elect
 Betty Sherman 231-5000, Ext. 755
 Secretary Inga Vrla 635-6227
 Treasurer Ed Charles 295-0333

Board of Directors

Dennis Destefano 224-3860
 Bruce Townsend 226-0622
 Greg Ross 226-2921
 Jim Hirte 244-0843
 Karen Akeson 242-9053
 John Barker 231-9118
 1982-83 President
 Don Eggleston 228-6444

Committee Leaders

Products Fair, John Madrosen 241-1954
 Program, Dennet Latham 222-1917
 Education, Stan Carper 285-4557
 Technical Documents,
 Dennis Obert 245-7802
 Editor (Publications)
 Margie Largent 636-6977
 Awards, Cristal Arnold 252-5585
 Hospitality, Pat O'Brien 241-2875
 Publicity, Joe Wood 232-4000
 Membership, Lee Kilbourn 224-3860

**Region RESPONSIBILITIES for
 Portland Chapter Members:**

Region Awards Chairman
 Bob Klas 644-4222
 Awards Selection Committee
 Les Seeley 287-7135
 Region Technical Chairman
 Ivan McCormick 226-1431
 Region Operating Guide Revisions
 Don Walton 643-9491
 CSI Appointee to American Arbitration
 Association Regional Construction
 Industry Advisory Committee:
 Bill Merritt 283-5178

Region Directors

Arthur A. Nordling 509-838-8681
 c/o Walker McGough Foltz Lyerla
 West 244 Main Avenue
 P. O. Box 1482
 Spokane WA 99210
 David E. Thomas 206-483-9388
 c/o Thomas Architectural Products
 8107 222nd S. E.
 Woodinville WA 98072

Education Committee

by Stan Carper

I would like to thank the Educational Committee members Janelle Chorzempa, Bill Lloyd, Rod Moorman, and Gary Zagelow for getting the job done!
 We had a very successful year with our six seminars. As most people know (or found out if they attended the seminars) the Mt. Hood Community College architectural students attended the majority of our seminars. We plan to have them in attendance this year also. Thank you CSI members and non-members who supported and attended our seminars!

Sincerely, Stan Carper,
 Education Chairman

OFFICERS FOR FY 1984-85

President: Betty Sherman
 Pres. Elect: Margie Largent
 Secretary: Inga Vrla
 Treasurer: Jim Davidson
 Past Pres: Dick Gira

Newly elected board members

Professional: Dennet Latham
 J. Min Luey

Industry: Jim Hirte

Continuing board members

Professional: Greg Ross
 John Barker
 Karen Akeson

Industry: Karen Akeson

Committee Leaders

Programs: Neal Jacques
 Products Fair: Bruce Townsend
 John Barker
 Tech. Document: Dennis Obert
 Education: Ivan McCormick
 Editor: Les Seeley
 Awards: Don Walton
 Hospitality: Mark Carpenter
 Publicity: Joe Woods
 Membership: Lee Kilbourn

From the Editor

Thank you, The Predicator contributors, for your assistance in making this year's award possible.

Darlene Fast, our paste up artist, will be our guest at the June meeting. Greet her warmly - next year the National Award, eh Les?

Gentlemen

Some of The Predicator staff and contributors have been wondering -

IF all "Gentlemen" were laid end-to-end, how far could they reach?`

ED.



||||| |||||
 PL COTE

"I wouldn't mind losing the promotion to a younger man... but an older woman?"

ED.

The Predicator

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