

THE PREDICATOR



Vol. 24 No. 1

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

September 1984

President's Corner by Betty Sherman



Thanks!

Thanks, Dick Gira, for a great past year. I thought Dick had made all the changes the Chapter could possibly need and we could just coast along during my year! I've discovered change never ends.

We have a new meeting place and we'll take a new direction with our Products Fair. We'll look at our ByLaws, and we'll research and compile past chapter service. We'll support Bob Klas as he runs for election to the office of Region Director.

I've heard said, "optimism is the feeling you have before you know what is involved." But, I am optimistic. I think we're "over the hump" even though we have just begun. There are no scheduled Chapter meetings in July and August, but plenty is going on. A great deal of preparation is done during the summer to get things rolling for the coming year, and many thanks are in order already:

Thanks to Ed Charles and everybody who attended the special meeting in July for development of the Budget.

Thanks to Pat O'Brien for lining us up with a very "classy" place to hold our dinner meetings.

Thanks to Neal Jacques for outlining our program for the year.

Thanks to Bruce Townsend and John Barker and everybody who attended the special meeting, the Products Fair is getting off to a fine start.

Continued on Page 2

Sept. Chapter Meeting Change of Meeting Place—Sept. 11, 1984—The Westin Benson

Renewal of our contract with the Thunderbird would have included a price increase. Thus, Pat O'Brien looked into other locations. He was very pleased with what the Westin Benson Hotel could offer.

At the June Board Meeting, Pat was given the "go ahead" to make arrangements for us to meet at the Westin Benson, 309 S.W. Broadway. He has done so.

We will be holding our monthly dinner meetings at the Benson. Hope to see you there on September 11, 1984, in the Mayfair Ballroom on the mezzanine level. Parking is free. Enter the parking facility on Broadway near Stark (under the Bank of California). There is an underground passage to the Benson. Bring your parking ticket to the meeting. It will be validated. Price for Dinner is \$10.00
Time - - 5:30/6:30 Cocktails
6:30/7:30 Dinner
7:30/9:00 Program
For reservations RSVP no later than Sep 7, 1984 238-1462

Table Top Display

Don't miss a golden opportunity to display your wares. TableTop Displays get results. Call Neal Jacques 629-9806

September Program

Sep. 11, 1984
Mr. John Mitchell, Corp. Economist with U.S. BANCORP.
Mr. Mitchell will speak on our economy as it affects construction with an emphasis on "Cost of Opportunity."

Coming Attractions

Oct. 9, 1984
Developing Portland

Nov. 13, 1984
Specification Development & Change

Dec. - Date to be announced
Christmas Party

Jan. 8, 1985
Computer Assisted Design

Feb. 12, 1985
Personal Development

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in design and materials

May 14, 1985
Construction Labor Alternatives

Jun. 11, 1985
Annual Fun Night & Awards

Awards

28th Annual CSI
Convention Awards
To:

Lee Kilbourn
of ZGF - HONORABLE MENTION
for Category O - Procurement.

Ken Mouchka
of ZGF - HONORABLE MENTION
for Category D - Institutional
Buildings

Congratulations

Look for your picture in the October issue with a report on the Annual Leadership Conference

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, Sep. 4, 1984
CSI Office - Room 200
1125 S. E. Madison

SEE YOU AT
THE BENSON
SEP 11, 1984

Board of Directors

Minutes, June 12, 1984

Meeting of C.S.I. Board of Directors, June 12, 1984. Meeting was called to order at 12:12 p.m. Present: Carper, Sherman, Gira, Klas, Largent, Vrla, Barker, O'Brien, Obert, Latham.

Minutes of meeting of May 18 read and approved.

Pat O'Brien discussed a new meeting place for next year, since the Thunderbird is raising the price of the dinner to \$10.50. Pat was approached by the Benson Hotel who are offering much the same as we have now for \$10.00, i.e., free room for seminars, dining space, validated parking, guarantee a Christmas date; however, the drinks would be more expensive and they would not validate parking for seminars unless participants stayed for dinner. Sherman moved that Pat check out the facilities personally and proceed with negotiations for next years' meetings. The motion was carried.

Bob Klas reported that award recipients had been determined but that he was keeping names etc. under wrap until meeting time.

Ed Charles on Treasurer's Report: Discussed fact that reports had not been approved for several months - April showed assets of \$33,588, May \$21,885 (\$21,217 in CDIC) - bills were paid on the Products Fair. Alternate methods of asset investment were discussed. Sherman suggests that Jim Davidson check this out. Barker moved that we accept the Treasurer's reports. Vrla seconded and the motion carried.

Short discussion about the 25th anniversary party in the evening at Knudsen - Erach Winery in Dundee, Oregon.

John Barker on Products Fair: He will mail out a survey to all exhibitors at this year's fair to determine how they felt, any comments, how to improve, etc.

Barker also presented graphic art work by a local convention promotion firm, asking how we felt about using them as a consultant for our next fair. There was a great deal of discussion on this subject. The cost basically is \$6,500 and could be more depending on the amount of work. He will check further with other consultants and advise us as to his findings.

Dennis Obert on Technical Documents. His committee is presently working on a "wood decking" technical aid series document which will be updated by the end of this month.

President's Corner

by Betty Sherman

Continued from Page 1

Thanks to Bob Klas for arranging our Leadership Conference facilities.

Thanks to Jane and Nicki for their quick help whenever we ask.

The first issue of THE PREDICATOR is in your hands, thank to Les Seeley, and helper(s).

There are many others, too. Thanks to the many who responded to my flyer. We used your comments in selecting programs, and I'll use them in other ways during the year.

Thanks to the Chapter for sending me to the Region Conference in Victoria, B.C., and the National Convention in Dallas, Texas. Both were very enlightening.

With all the efforts of so many, I'm very optimistic. We're off to a good year. With a lot of help, the load is light!

Betty Sherman

June Chapter Meeting

Our June meeting was the epitome of fellowship and fun. It was loaded with good times while at the same time retained a rather technical atmosphere. We received a blend of economics, agriculture, transportation, amateur sing-along entertainment and weather analysis. The only questionable part was the quality of some of the entertainment. It was somewhere between poor and mediocre on our bus enroute, but on the way back to Portland it was much improved. (Ever notice how much better your own singing sounds returning from a wine tasting party as opposed to your trip to the party?)

Thanks to all responsible and to Knudsen-Erach for a fun and informative evening.

Dennis recommends that the next treasurer consider increasing the technical documents budget to cover the cost of maintaining a library of all technical documents, and also to have a dozen or so MasterFormats available for sale. He will present a proposal at the July Board of Directors meeting.

Old Business: Ed Charles asked about the large mailing list for The Predicator and wonders if this can be cut down.

Leadership training conference is scheduled for August 10-11 at the Chumaree Motor Inn.

Meeting adjourned at 1:20 p.m.
Respectfully submitted:
Inga Vrla, Secretary

Budget Meeting

The old and new board members and committee chairmen met at Betty Sherman's home on July 7 at 5 p.m. for a buffet/budget meeting.

The budget meeting began at 7:10 p.m. Present were Barker, Charles, Davidson, Jacques, Kilbourn, Klas, Largent, Latham, Luey, Ross, Sherman, Townsend, Vrla, and Walton.

The Fourth Quarter Treasurer's Report was distributed and comments received.

Each item in the proposed 1984-85 budget was discussed. The budget will be distributed at the September board meeting.

We adjourned at 8:45 p.m. to kibitz with friends and spouses engrossed in a game of Trivial Pursuit. Craig Anderson and Kim Luey were the winning team!

Thanks Betty & Friends & Family For Being Such Gracious Hosts and Hostesses

—Ed

Special Board Meeting

The Board and Past Presidents of the Portland Chapter of CSI met in a special session on August 7, 1984 12:00 noon at the Lloyd Building, Portland, Oregon to discuss the feasibility of hiring a public relations firm to promote the Products Fair.

PRESENT were Sherman, Largent, McCormick, Moorman, Luey, Gira, Searl, Ross, Townsend, Barker, Vrla, Woods, Charles, Carpenter, Klas, Merritt, Kilbourn, Akeson.

Presentations were made by the following firms:

1. Bowler & Associates
2. Ed & Judi Charles
3. Richardson & Associates

After much discussion and careful consideration it was decided that Bowler & Associates would be contacted and given the green light to assist the Portland Chapter CSI in promoting our next Products Fair.

The Products Fair committee will be negotiating with Bowler & Associates to secure the best possible contract.

Know Your Fire Code Well!

By Howard J. Williams

UNDERSTANDABLY, one does not usually investigate the seemingly "minor" purchases to determine their contribution to, or detract from, the fire safety of your facility. Some items simply do not conjure up visions of infringing, much less being regulated by the code.

However, if you are going to attach it to the wall or put it on the floor in an exit/entrance area, it is incumbent on you to determine whether it meets the Code.

Items such as wall protection devices, i.e. handrails, bumper guards, corner guards, etc., are required to exhibit certain characteristics as they relate to Flame Spread and Smoke Developed in order to comply with governing codes.

These codes may vary between local requirements and that of the state. Generally speaking, most states have adopted the National Fire Protection Association 101 Life Safety Code and, while this too varies depending upon the year in which the code was adopted, you will usually be safe in complying with the current standards of the JCAH and the Health Care Financing Administration (usually safe! Some areas such as New York City and Los Angeles may have more stringent requirements.) At present both agencies are using the 1981 Edition of the Life Safety Code for their 1983 standards.

* * *

YOU WOULD DO well to have a copy of the NFPA 101 Safety Code, 1981 Edition, on your library shelf. Many of you already have and use it but with the broad responsibility for so many areas of compliance the minor items may go unquestioned.

The Code classifies items comprising 10%, or less, of an area's wall and ceiling space as "Trim" (NFPA Section 6-5-5). In most instances handrails, corner guards and bumper guards fall within this "Trim" allowance and as such do



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
5:30 p.m., The Westin Benson
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. Monterey, California
1985 Tri-Region Conference

not have to be Class A or B but must be Class C. The NFPA uses three classifications based upon a materials performance under a uniform test procedure used to determine numerical values for Flame Spread and Smoke Developed.

All three classifications A, B, and C have, as a common denominator, a maximum allowable Smoke Developed value of 450. The flame spread is the only variable between the three classifications and is as follows:

Flame Spread Class A: 0 to 25,
Class B: 26 to 75, Class C: 76 to 200.

IN ORDER TO insure that the material being purchased meets this requirement you should insist upon a copy of the manufacturer's test. Reputable manufacturers will clearly publish this information in their catalog and be quite willing to furnish a copy of the test report for your files.

Be wary of those who publish only the Flame Spread value of their material. The Code is quite explicit in stating that both the



Continued on
Page 4 "Fire Code"

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 \$45.00 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?



Reflections on Dallas

by Bob Klas

C.S.I. Conventions are composed of standard parts - product exhibits, program meetings, and social activities. However each convention has its own character. Of course, the particular character of this convention was set by the city of Dallas. They do build more, and larger, in Dallas. We had an impressive view of the downtown skyline from our hotel. Besides being able to see over a dozen new skyscrapers, I counted 16 high rise construction cranes, indicating additional major new projects.

The title of this article was suggested by downtown Dallas where the streets are like halls of mirrors -- buildings reflecting other buildings ad nauseum. So much reflective glass in all colors and shapes begins to feel like a stage set -- meant to be admired from a distance. This feeling is reinforced at street level below the mirrored towers, where, with the exception of Thanksgiving Square, there is nothing equal to Pioneer Square, the Transit Mall, Forecourt Fountain, or the many other places for people in Portland.

A place for people that Dallas does take pride in is the Anatole Hotel. It could only be built in Dallas. The doors to the ballroom, where the convention banquet was held, are almost large enough to allow a small airplane through them (while in flight!). And I suspect the airplane could also fly around inside the ballroom, and in 2 or the 3 separate lobbies in the hotel.

The scale of all this construction is amazing to a person who has weathered Oregon's economy. One cannot help but ask why Dallas has all this work, while Oregon has been stagnating. Perhaps some of our state leaders should visit Dallas. In any case, the convention was in character with its location - being the largest ever, and the people of Dallas were fine hosts.

I think I go to the convention for the products show. I wish they allowed us more time because a person could spend 3 full days in the exhibit hall. It is a great opportunity to find new products, alternate products, and to compare products. It is also a little frightening to discover how out-of-date your library is.

I also attend for the programs and lectures given by knowledgeable people on a variety of topics. It was a real task choosing the most current programs offered this year. I know I go to renew friendships with people in the industry from around the country. Besides the delight in meeting friends, one always comes home with a better perspective of our region, and one's place in the National Construction Industry.

A very interesting aspect of this convention was President Terry Wadsworth's remarks at the banquet. You might say that 36 years of commitment and talent by C.S.I.ers has resulted in an effective specifications and product information program. To remain a vital force, the Institute now has some important decisions to make about its future role in the construction industry.

To move into other areas of construction documentation. (Wouldn't it be great to have a more standardized system for drawing format - perhaps even to include the best standard details we can collectively put together).

Or to go international with what we have developed. This is already underway with Canadians; and, based on first hand experience in our post-convention trip, U.S. construction standards and techniques could be a boon to certain other countries.

Or to satisfy a real need by becoming an electronic data base for products, standards, codes, or practically any kind of construction information you can imagine.

Fire Code from Page 3

Flame Spread and the Smoke Developed values are required to classify the product.

There are two recent letters that should be of interest to you. One is from the JCAH and the other Health & Human Services, Health Care Financing Administration. These letters are well written, clearly understood, and above all promote the Code and not any manufacturer's product. I would be happy to make these and excerpts of the Life Safety Code available to you.

(Address requests for copies of the letters to the writer at P.O. Box 380, Muncy, PA 17756)

Above all else, when in doubt question the manufacturer of the product that you are about to buy. Insist upon written answers and copies of the test data on the testing agency's letterhead. You have the right, but more importantly, the obligation to know what you are buying and how it affects the life safety of your facility.

These considerations also include an examination of the Institute's name and public image. They are critical decisions - not to be taken lightly. They can lead to growth and revitalization making C.S.I. the unquestioned leading force in the industry. It is challenges such as these that have inspired members to make C.S.I. such an affective organization, and the new challenges must also meet the real needs of the members. We should all think about what we need from C.S.I., and how we can help it remain the most useful organization in the construction industry.

Perky On The Move

This year the National Convention of CSI was in Dallas, Texas, and was followed by a post convention trip to Acapulco. The weather was beautiful and the Program was excellent as usual. Have you ever wondered what spouses do at CSI Conventions?

Saturday, June 16, I heard the TEXAS GIRLS' CHOIR and then went to the Dallas Museum of Art. I was familiar with the Dallas Museum of Art because this spring several of the architectural magazines Lee gets had articles about the Dallas Museum of Art. The day also included a delicious luncheon at historic Union Station and a visit to the Vineyard area. The evening was the CSI/McGraw-Hill party in the new Dallas Public Library.

Sunday, June 17, began with the Nondenominational Church Service and then a BIG D BAZAAR. The evening was free for visiting hospitality rooms and meeting with old friends at some of the interesting buildings in Dallas. We went to the Dallas Design Center (a collection of representatives for housewares and interior design materials), which was conveniently across the street from the headquarters hotel.

Monday, June 18, was open for the spouses so I attended the technical session on "Administration of Construction Contracts." Lee and I then viewed the exhibit area and attended the Feature Session given by Dr. B. Gentry Lee "Exploration and the Human Spirit." Lee stayed for the Member Forum and Annual Meeting and I went back to the Hotel to rest before the President's Reception and Banquet.

Tuesday, June 19 we headed for Acapulco and a most relaxed time in the sun. It was most enjoyable and we hope to do it again next year in Orlando, Florida.

BS by KS

Basic Specs by Ken Searl

For some time now I have been hearing lots of complaints regarding bidding wherein the specifications will call for a certain item and during the bidding a substitute item or items will be approved as the same as a specified item when in fact it is nowhere near being the same. Lots of times it is not even in the same league as the specified item. You will note I did not refer to the substitute item as an equal because as you know most times it is not equal, it is only cheaper. You can bet your bottom dollar that the main reason it was suggested in the first place is that it is cheaper. Now there are some exceptions to this because in some cases the suggested item is as good or better.

Another type of substitution is one that comes along after the contract has been awarded and is well underway. I strongly feel that after the fact substitutions should only be allowed under two circumstances, one being if the manufacturer goes out of business or the exact item specified is no longer available. Now you have to watch out for the old ploy that the product will take too long to get to the jobsite when in fact it wasn't ordered in time and the person responsible for the order is banking on scaring you with a late arrival so that another less expensive product can be substituted. The other circumstance is when the owner requests a substitution due to a change in their needs. Now watch out for this happening because it may simply be that a fast talking rep or salesperson has sold the owner a bill of goods.

One complaint I hear many times is when the Architect or Specifier calls in a local factory rep and this person spends lots of time helping out by researching just what is needed for a particular application and then they find they are duty bound to bid the item as specified but some slick talking person will get an inferior product approved and then cry all the way to the bank. I have been told there is a trend to try not to get specified in the original specifications but come in later with a substitution request either before or after bidding. In fact it appears that some reps feel it is the kiss of death to make the original specifications.

At this point one cannot help but be thinking why is all this happening, who is to blame and what can be done to improve this situation. The reason it is all happening is due to a couple of reasons, 1)is great pressure to get a project done as economically as possible and 2)it seems to me many Architects and

Specifiers are too lax in their requirements. As to where to place the blame it is my opinion it goes right back to the Architects and Specifiers. If they want to see who is to blame I suggest they pick up the nearest mirror and look into it and say, "Mirror, Mirror who is the rascal that allows such conditions to exist?"

In the matter of substitutions one must be firm. Believe me however, there is great pressure out there with lots of reps telling us just how good their product is, and most of them are very convincing talkers. For example ask anyone writing a roofing specification just how many new systems and manufacturers are out there each claiming their product is, by golly, best in the whole country. Some manufacturers are very tricky. An example is the newer insulations have been so mixed up that in my specifications I do not mention an R factor, only the thickness of the type or types specified. If one is not careful and the R factor is listed you may think you are getting say 3 inches of insulation, but may find you will only get 2 inches or 2 - 1/2 inches or even less and the claim is, their products meets or exceeds your specification.

By this time you may be asking why is old Ken so hopped up? Why this practice of sneaking in different and many times less costly products has been going on for years. Yes this may be true but here of late I have had some complaints from owners who would like to see some changes made. One owner when approached by a slick talking factory rep refused to make any substitutions and stated he would make sure that product would not get specified for his firm in the future. This attitude certainly gives one something to think about.

In closing my advice is to specify what you feel is correct and only accept substitutions during bid period that meet your requirements. Enforce your specifications.

General Explanation and Introduction to AIA Documents

Recently Lee Kilbourn was asked to explain AIA Documents in 3 minutes or less.

The easy way to begin, he said, is with the AIA Documents Synopses (\$1.90) and the AIA DOCUMENTS Price List (6/1/84) (free upon written request to AIA Service Corporation, Fulfillment Division, 1735 New York Ave, N. W. Washington, D.C. 20006).

A201, General Conditions of the Contract for Construction is, he noted, a part of the Contract for Construction. The present edition is written for a single lump sum construction contract -- the contractor selected on the basis of a competitive bid -- with construction proceeding in linear or sequential fashion, not phased, or fast tracked. One of the concerns of the AIA Documents Committee is whether these assumptions are appropriate for the next edition of A201 or not.

Another part of the Contract for Construction is a Form of Agreement. The form that fits the typical assumptions identified for A201 has the designation A101.

Since the work was said to have been bid, Instructions to Bidders are required; A701 has been prepared for this.

Maybe the work requires bonding. For bid bonds there is AIA Document A310; for a Performance Bond and Labor and Material Payment Bond there is A311.

Probably the General Conditions require a supplement -- defining insurance requirements even if no others. A suggested format is found in A511.

The goal of the Documents Committee is to have all these documents working together -- to make a clear statement in one document and let the other documents work with that statement.

We've taken the process a couple of steps farther. A few comments we've received take issue with the list of the Architect's duties found in A201 -- when the Architect is not a party to the Contract between Owner and Contractor. These duties are found in B141, Form of Agreement between Owner and Architect; tracking the requirements of A201 with precision.

Maybe there is an engineer -- consider C141 to establish the rights and responsibilities of both parties.

The point is to illustrate the complete set of interlinking forms which identify the duties of the parties. This set of interlinked forms we, those of us that suggest them regularly, informally call a family. The AIA also has families of forms for Construction Management, Interiors (found under the phrase Furniture, Furnishings and Equipment), and several varieties for projects of Limited Scope. In each case a complete and coordinated package of contract documents is available.

Portland Chapter 1984-85

President
Betty Sherman 231-5000, Ext. 755

President Elect
Margie Largent 636-6977

Secretary Inga Vrla 635-6227

Treasurer Jim Davidson 226-3508

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Greg Ross 245-9119
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John Barker 231-9118
Karen Akeson 242-9053

1983-84 President
Dick Gira 224-8226

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Products Fair,
Bruce Townsend 232-9020
John Barker 231-9118
Program, Neal Jacques 629-9806
Education, Ivan McCormick 226-1431
Technical Documents,
Dennis Obert 245-7802
Editor, Les Seeley 287-7135
Awards, Don Walton 643-9491
Hospitality, Mark Carpenter 626-6400
Publicity, Joe Woods 232-4000
Membership, Lee Kilbourn 224-3860

Region RESPONSIBILITIES for Portland Chapter Members:

Region Technical Chairman
Ivan McCormick 226-1431

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 248-1086

Continued from Page 5

All these documents rely on the open bottom triangle idea with the Owner at the apex, and in which direct responsibility is owed the Owner by both Architect and Contractor. The triangle is open-bottomed because no contract exists between Architect and Contractor. Also, the legs representing the duties of the Architect and the Contractor are not equal.

There are many other premises we rely on in this industry of ours, and they've been suitably described in other texts.

With the help of interested reviewers during the present revision cycle, A201 will continue to be recognized in the Construction industry for its high quality and impartial provisions.

Filosoficull



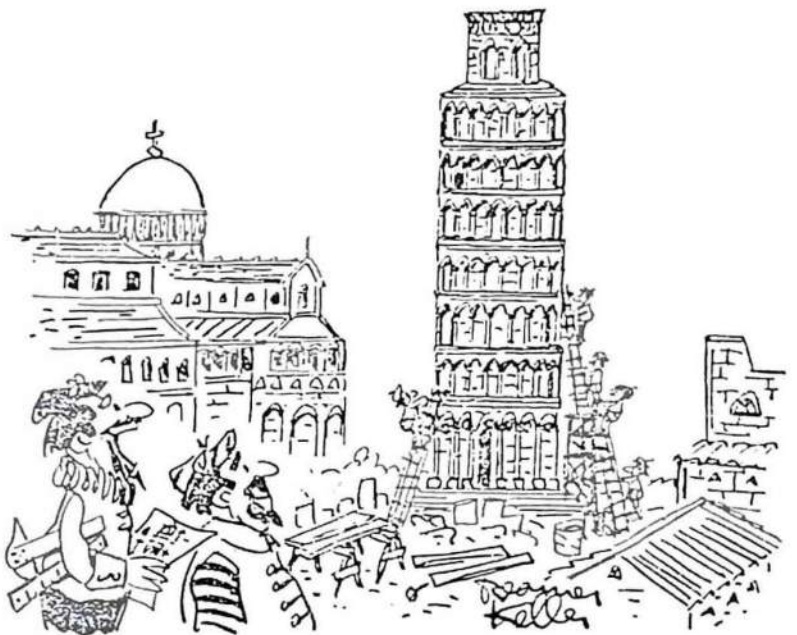
Nonsense & Stuff

A sale made by many acts may be lost by One

Better to be thought a fool than open your mouth and remove all doubt.

Opportunity's favorite disguise is hard work.

An empty wagon makes the most noise.



"I saved some money on the footings. But don't worry—no one will ever notice."

The Predicator

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

Address Correction Requested

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THE PREDICATOR



Vol. 24 No. 2

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

October 1984

President's Corner

by Betty Sherman



Meetings

We all attend a lot of them! They are necessary. They can be extremely productive. They can be a total waste of time. What makes the difference? It takes skill to lead a short productive meeting. I don't profess to have that skill, but I'm working on it and I very much appreciate those who have this skill and use it.

The thing I remember most about a manager I had some years ago was the request that I not bring a problem to him without bringing my solution.

Much time can be spent discussing a problem without knowing what the problem is. Dale Carnegie has this to say: "Everyone who wishes to present a problem to me must first prepare and submit a memorandum answering these four questions: What is the problem? What are the causes of the problem? What are the possible solutions? What is the best possible solution? Even in those cases where discussion is necessary, the discussion takes one-third the time formerly required, because it proceeds along an orderly logical path to a reasoned conclusion. A lot less time is consumed worrying and talking about what is wrong. A lot more action is obtained toward making those things right."

I especially admire one manager at the Port who conducts very productive meetings. He comes prepared. He spends perhaps 30 seconds with wit/greeting. Then he launches into the meat of it and is steadfast. He can be brutal, if necessary, to keep

Continued on Page 2

Oct. Chapter Meeting

Oct. 9, 1984—The Westin Benson

October Program

Harriet Sherburne, Project Manager for Cornerstone Development will discuss the South Waterfront Development Project next to the Willamette River. The presentation will include comments on the project's impact on downtown Portland and its progress.

Date: October 9, 1984

Time: 5:30-6:30 Social
6:30-7:30 Dinner
7:30-9:00 Program

Place: Westin Benson

Cost: \$10.00

For reservations please call 238-1462 no later than Oct. 5, 1984.

Parking is Free!

Enter the parking facility on S. W. Broadway near Stark (under the Bank of California). There is an underground passage to the Westin Benson. Bring your parking ticket to the meeting. It will be validated.

Carper Moves to Puget Sound

Our Education Committee leader last year, Stan Carper, has accepted the position of Concrete Products Manager for Mutual Materials. His territory is Washington State. He joined CSI and the Portland Chapter in April 1978. He received a Northwest Region Education Award last April for his efforts - the certificate was reproduced on Page 1 of the June Issue.

He writes "... so long, Portland Chapter, but not good-bye. I started work in the Seattle area September 4. My address is 605 119th N. E., P. O. Box 2009, Bellevue, WA 98009, and my phone number is 206/455-2869. Good luck to all you great people who make up Portland Chapter. Sincerely, Stan."

Coming Attractions

Nov. 13, 1984
Specification Development & Change

Dec. 11, 1984
Christmas Party

Jan. 8, 1985

Computer Assisted Design

Feb. 12, 1985

Personal Development

Mar. 12, 1985

Uniform Building Code '85

Apr. 9, 1985

Interior Design Trends in Design and Materials

May 14, 1985

Construction Labor Alternatives

Jun. 11, 1985

Annual Fun Night & Awards

Congratulations

1983/84 Chapter Awards

Certificates of Appreciation were awarded at the Annual Meeting of Portland Chapter CSI last June.

Dennet Latham

Programs

Margie Largent

Publications

John Madrosen

Products Fair

Nat'l Ass'n of Women in Construction

Products Fair

Builders Exchange

Cooperation and Extra Effort

CSI Member-At-Large Wins Doe Award

CSI member-at-large Dan Johnson, from the Battleground School District has been awarded a National Award for Energy Innovation. The Award will be presented by Secretary of Energy Don Hodel in ceremonies on October 1, 1984 in Washington, D.C. Dan Johnson has been contacted about joining Portland Chapter of CSI rather than being a member-at-large.

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, Oct. 2, 1984
CSI Office - Room 200
1125 S.E. Madison

Meetings (from page 1)

the discussion on track. When things are wrapping up, he may indulge in a little relaxing humor. I leave feeling a lot was accomplished in a short time. He is very respected for this skill and the way he uses it.

Speaking of short meetings, I would like to hear how you felt about our first Chapter meeting adjourning at 8:30 p.m. Were you pleased or disappointed that we adjourned that early? The meal service seemed to me to be very fast at the Benson. The speaker was one hour. Should we strive for a longer program? My alarm goes off at 5 a.m. and I work ten-hour days, so I was happy! How about you?

Value Engineered Design and Construction Course Available

University of California, Berkeley is offering a 40 hour workshop in Value Engineered Design and Construction. Interested persons should call 415-642-4111.

Construction Estimators to Form Chapter

The American Society of Professional Estimators (ASPE) will conduct a meeting at the Hi-Hat Restaurant, 11530 S. W. Barbur Blvd., Portland, Oregon at 6:00 p.m. on Wednesday, October 17, 1984. The purpose of the meeting is to establish a new chapter in the Portland area. Call Bruce Mackay at (503) 297-8511 for reservations.

IRS Claims Painting Contractors aren't Contractors

In an effort to deny painting contractors the right to traditional long-term accounting methods, the IRS has ruled that painting contractors are not contractors because they do not "construct, build, or install anything." Instead, says the IRS, the painting contractor "only provides painting services."

Current regulations allow the use of long-term accounting methods for "building, installation, and construction" activities not completed in the same year in which they were begun. If the IRS ruling were allowed to remain, painting contractors would be denied both completed contract and percentage-of-completion methods of accounting. This would significantly increase the

Board of Directors Meeting of September 4, 1984:

Present: Largent, Barker, Hirte, Jacques, Woods, Seeley, Luey, Carpenter, Davidson, Sherman, Vrla, Latham, Akeson, Obert and Gira.

The meeting was called to order at 12:00 by President Betty Sherman.

Minutes of meeting of June 12, 1984 were approved as read.

Treasurer, Jim Davidson, distributed revised 4th quarter treasurer's reports, noting changes. Also distributed was the July-August report.

Participation by Portland Chapter CSI with a CSI booth at the AIA Regional Conference was discussed.

Jim also asked about the continued use of a Postal Permit. He felt ComGroup could mail our material on their bulk rate permit as well. Les Seeley had no objection, if ComGroup would indeed mail miscellaneous CSI notices - for some suitable fee. Jim would check further and report.

Jim also distributed a sheet showing the net worth of CSI for the past few years. A motion was made and passed accepting the treasurer's report.

COMMITTEE REPORTS:

Betty Sherman commented on the importance of communications between committee leaders and the Board, the membership, and the President.

Awards: no report.

Education: no report.

Hospitality: Mark Carpenter discussed having Jane and Nicky of the Builders Exchange validate parking tickets and collect dinner receipts at Portland Chapter CSI regular meetings. A motion was made and passed for Portland Chapter to pay for their dinners as part of the Exchange's service to the Chapter.

Mark Carpenter will arrange the Christmas Party at the Benson for the second Tuesday in December in the Crystal Ballroom.

Membership: no report.

Programs: Neal Jacques is working with a Seattle group on the South Waterfront Project as a program for the October meeting. He is looking for suggestions from the Board for future meetings. A Personal Development Program is scheduled for February and an Interior Design Program is scheduled for April.

Publications: Les Seeley has the next issue of The Predicator taken care of as far as guest articles are concerned. Les is asking for a publication deadline (for delivery of material to appear in the next issue of The Predicator) as the evening of the regular CSI meeting. Les is also looking for interesting material from the membership suitable for publication. In addition there was some discussion of advertising in The Predicator and reducing the fee for inserts.

Publicity: Joe Woods has a press release scheduled for the September 11 meeting - hopefully it will appear soon enough so interested people have the opportunity to make reservations.

Technical Documents: Dennis Obert presented goals for the year:

1. Update one technical document.
2. Create one technical document.
3. Create two Spec Guides.
4. Create one monograph.

Dennis is looking for a "correspondent" to review technical documents.

OLD BUSINESS:

Betty Sherman checked on our liability vis a vis liquor consumption at our meetings, and learned that we are covered under our existing insurance policy. Mark Carpenter suggested we ask for an opinion from CSI member Bill Merritt.

Betty Sherman has drafted an agreement between CSI and the Builders Exchange for their continued services.

NEW BUSINESS:

Jane Sampier of the Builders Exchange is polling members to determine who wishes to be on the "standing reservation" list.

Betty Sherman asked committee leaders to send the names of their members and meeting times to Inga Vrla for compilation and distribution by October 2.

Ad Hoc Committee Assignments:

Largent is chairman of Past Service Committee. Gira is chairman of Nominations Committee. Chairman of the By Laws Committee will be appointed soon.

Lee Kilbourn asked for help in the CSI booth at the AIA Regional Conference at the Marriott.

Meeting was adjourned at 1:08 p.m.

Respectfully submitted,
Inga Vrla, Secretary

Northwest Region CSI Coordinating Council Meeting

Place: Chumaree Motel
Portland, Oregon

Date: August 11, 1984

The meeting was called to order by Art Nordling, Region Director at 9:25 a.m.

Minutes of the April 26, 1984 meeting were approved as distributed.

Directors' Reports

Art Nordling and Dave Thomas reported on discussions regarding membership reclassification proposals. There is an overwhelming majority that prefer to leave the classifications of Industry and Professional as they are.

Art Nordling discussed the exhibitors' desire to have membership classification on badges at our national convention.

Dave Thomas discussed a suggestion that would add a third classification of membership. This would be "associate member" such as bonds people, etc. This suggestion is currently under study.

Art reported that members in Montana are very close to having a chapter now and initial membership would be approximately 50 persons.

Committee Reports

Mel Cole (representing the Institute Education Committee, from the Santa Clara Valley Chapter) discussed the relationship between the Institute and the Regions with emphasis on the Technical Documents Committee and the Education Committee.

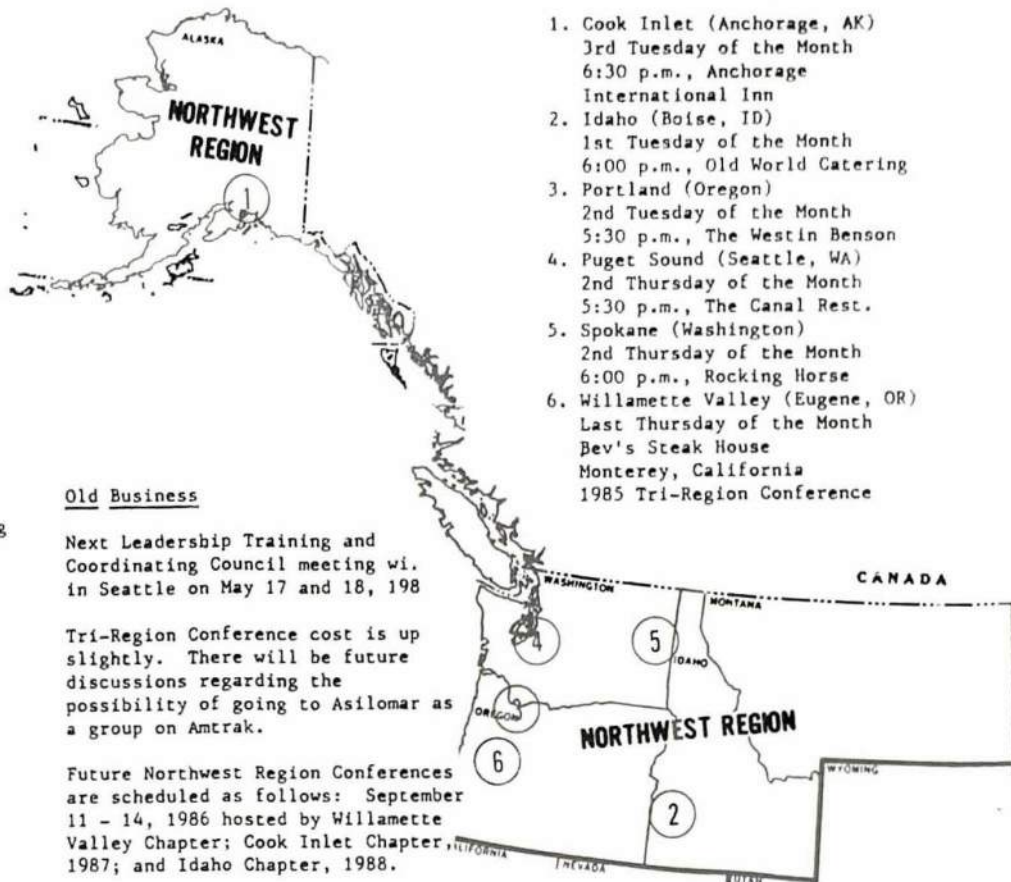
Scott Cramer (Spokane Chapter) is establishing goals for the Northwest Region to improve communications, establish a list of speakers and receive feedback regarding the CCS Guide.

Jim Robertson (Willamette Valley Chapter) discussed the many and varied technical documents available and stressed intra-region communication.

Ivan McCormick (Portland Chapter) discussed goals of the individual Chapter Technical Committees.

Region Conference Report

Copies of the Report of our last Region Conference were made available.



Old Business

Next Leadership Training and Coordinating Council meeting will be in Seattle on May 17 and 18, 1985.

Tri-Region Conference cost is up slightly. There will be future discussions regarding the possibility of going to Asilomar as a group on Amtrak.

Future Northwest Region Conferences are scheduled as follows: September 11 - 14, 1986 hosted by Willamette Valley Chapter; Cook Inlet Chapter, 1987; and Idaho Chapter, 1988.

The newly revised Northwest Region Operating Guide was distributed and discussed.

New Business

Some funding is available for Region Leadership Conference expenses and printing of the Operating Guide.

Region Committee Chair positions are available, call Art Nordling or Dave Thomas.

The Institute has established a steering committee, and is working on targeted membership promotion and media promotion.

Membership since Dallas, Texas convention is up 500 persons.

Spokane Chapter requests liaison with other chapters for their directory.

Attendees were reminded that a new Region Director, Professional will be elected in February, 1985 to follow Art Nordling in July 1985.

Editor's Note: A copy of the minutes of Leadership Conference are available to those who desire them.

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
5:30 p.m., The Westin Benson
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
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 \$45.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Northwest Region has prepaid \$5 for each attendee to hold space for 120 folks from this region.

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?

Leadership Conference-Portland 1984



Boy, what a serious crew.



Apparently no one wants "it" Lee.



Now really John!



Why is Ivan the only one smiling?



Yeah really guys, in Eugene we have projects.



Yes, I too receive those "Dear Sir" letters.

BS by KS

Basic Specs by Ken Searl

One thing in this old world of ours that seems to be on the increase is the use of fancy words and titles. Many firms now have a "Marketing Director." In the so called good old days this was handled by the "looking for work person." Another high powered sounding title is the "Automotive Placement Engineer." Sure sounds great for a parking lot attendant. There is one title I have been ignoring more or less over the years and that is "Construction Claims."

There are firms out there that host real expensive seminars (over \$99 I consider expensive) covering most any subject including Construction Claims. The inference I get from their ads is Construction Claims are a big deal and one needs instruction and training on how to avoid such claims and stay out of court and at least a dozen other terrible happenings. I've heard so much about Construction Claims here of late I finally decided to admit there are such things with those horrible sounding names. Our firm hasn't had too much involvement over the years with these claims and we will try our best to keep it that way.

We do run across discrepancies during construction but to refer to them as Construction Claims would be what I consider an overstatement. It is noted that many Architects do not recognize the word "discrepancy" just as many Contractors do not recognize the word "credit." These words are just not in each others vocabulary. It appears to me the terminology "Construction Claims" tends to put Contractor, Architect, and Owner into an adversary position when in reality they should all be on the same team working together and not getting into a great big hassle.

It is my feeling and belief there shouldn't be any Construction Claims on a project other than concealed conditions, acts of God, or unusual weather. The contract documents should be properly prepared and the participants should be willing to try to work out any difficulties encountered. In Oregon I'm not sure just what is unusual weather. If you find out let the rest of us know.

It is noted that some Architects always want the Contractor to take care of any and all discrepancies regardless of cost. I have noted some Contractors that delight in looking for and finding any large or small apparent and some not so apparent discrepancies so they can submit a request for a change order.

I have never seen a perfect set of Contract Documents or a perfect Contractor and it is about time some of the feuding is stopped and we all try singing the same tune and do it without the help of Spike Jones.

PS to BS by KS

Article published last month regarding substitutions apparently was read by many people. Received lots of telephone calls and a letter. Thank you.

A blunder is the same mistake committed a second time.

Better Contractors

JIM HIRTE'S STORY

While attempting to place words of wisdom upon a sheet of paper, the question crossed my mind,

How did I ever let our Editor talk me into doing this?

I suppose it has something to do with being gullible and our Editor's infinite charm and wit.

Continuously we have been faced with the problem of quality and workmanship and competency in contracting firms. It seems as though there is at least one subcontractor on every job who absolutely gives the General Contractor fits in trying to get the job done. I am sure that every architect and engineer has had his or her share of General Contractors who cause them to ask the age old question of:

"How in the ---- does that guy ever stay in business?"

While I have heard comments and questions concerning the similar competency of some Architects, Engineers and Specifications Writers, they occur much less frequently if viewed from a percentage viewpoint. So how do we pursue the competency issue of contractors in general?

For one, I think we can review the licensing procedures for contracting. How many times have you heard that all it takes to be a General Contractor (or subcontractor) is a pickup truck with a gun rack, a tool box and a few hundred dollars and you are in business? For those working on a small scale that isn't very far from the truth. For many subcontracting fields, that is all it seems to take. Compare that with the licensing requirements of Architects

and Engineers before they can actually practice in the professional field and it is little wonder we have trouble. Further, is the contracting firm that we expect to "interpret" the plans and specifications which take years of education and experience to produce. (We say "interpret" because we swear some of them can't read).

I would like to suggest that it would be a giant step forward, if a coordinated effort could be made by such organizations as CSI, AIA, ACE, the various Engineering Societies, the organizations representing the Public Agencies as well as independent contractors, to develop legislation to strengthen the licensing requirements. There are other ideas which can be explored which would also help, such as requiring commercial contracting firms to post a payment and performance bond of \$100,000 or more as part of the licensing requirements.

In summary, at a minimum, some proof of competence of fiscal responsibility should be required. This would be a "giant step for our industry".

(Jim Hirte is a partner in a General Contracting firm and a licensed Engineer.)

September Chapter Meeting

Portland Chapter CSI started the year out with a successful meeting at the Westin Benson on September 11. Our speaker was Dr. John Mitchell, Corporate Economist with U. S. Bancorp. Mitchell's Ph.D. is in Economics and at U. S. Bancorp he publishes the Oregon Business Barometer.

Mitchell began by telling us that Oregon had had a good growth in the 70's but it has now slowed down. On October 6, 1979 money supply growth was limited to bring down inflation. People had been buying with today's dollars and selling with inflated dollars. Interest rates increased to compensate for limiting the money supply.

As predicted with limited money growth the inflation fell also. The other side effects were a reduction in expansion and a strong U.S. Dollar which caused a trade imbalance - more goods coming in than going out.

Oregon is trying to cope with problems in its traditional industries by fostering the creation of new firms and expanding existing markets. Some areas of Oregon's growth are in service industry and high technology.

Continued on Page 6

Portland Chapter 1984-85

President
Betty Sherman 231-5000, Ext. 755

President Elect
Margie Larqent 636-6977

Secretary Inga Vrla 635-6227

Treasurer Jim Davidson 226-3508

Board of Directors

Dennet Latham 222-1917
Greg Ross 245-9119
J. Min Luey 228-9468
Jim Hirte 244-0843
John Barker 231-9118
Karen Akeşon 242-9053

1983-84 President
Dick Gira 224-8226

Committee Leaders

Products Fair,
Bruce Townsend 232-9020
John Barker 231-9118

Program, Neal Jacques 629-9806

Education, Ivan McCormick 226-1431

Technical Documents,
Dennis Obert 245-7802

Editor, Les Seeley 287-7135

Awards, Don Walton 643-9491

Hospitality, Mark Carpenter 626-6400

Publicity, Joe Woods 232-4000

Membership, Lee Kilbourn 224-3860

**Region RESPONSIBILITIES for
Portland Chapter Members:**

Region Technical Chairman
Ivan McCormick 226-1431

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 223-8590

Continued from Page 5

The Federal Government deficit is a problem because it is taking money that private firms can't borrow. The reason for the Government deficit is that the Government spending has not been controlled.

Oregon is working to encourage growth. One growing industry is tourism and we are encouraging trade and investment with Pacific Rim countries. Oregon leaders are trying to solve Oregon's employment problems.

P.S.

Don't miss a golden opportunity to display your wares. TableTop Displays get results. Call Neal Jacques 629-9806

**Filosoficull
Nonsense & Stuff****(Board Meetings)**

"I know you're all anxious to wrap this up."

Continued from Page 2

painting contractor's tax exposure. The IRS ruling is retroactive and applies to all open years.

Several years ago Congress allowed the IRS to rule out long-term accounting methods for defense contractors, who were realizing extraordinary tax advantages, but construction contractors were specifically exempted from this decision. Now, however, the IRS appears determined to erode long-term accounting for contractors. The agency has told the Associated General Contractors that "dirt hauling" is being studied as the next subject for a ruling.

Construction Dimensions, July 1984

Troubles

Be thankful for the troubles of your job;
They provide about half your income. Because if it were not for the things that go wrong,
The difficult people you have to work with,
And the problems and unpleasantness of your working day,
Someone could be found to handle your job
for half of what you are being paid.

It takes intelligence,
resourcefulness, patience,
Tact and courage to meet the troubles of any job.
That is why you hold your present job
And it may be the reason you aren't holding down
An even bigger one.

If all of us would start to look for more troubles,
And learn to handle them cheerfully and with good judgment
As opportunities rather than irritations,
We would find ourselves getting ahead at a surprising rate.
For it is a fact that there are plenty of
Big jobs waiting for those who aren't afraid
Of the troubles connected with them.

Hope for the aging.
Old age and treachery will always win over youth and skill.

On Confidence
No one can make you feel inferior without your consent.

Golden Rule of Business
"He who has the gold, makes the rules"

The Predicator

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

Address Correction Requested

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Dated Material

Robert R. Klas
R.C. Ehmann & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005

President's Corner

by Betty Sherman



A Glimpse of the Port

It is with pride that I assist the Engineers at the Port of Portland in the preparation of construction and procurement specifications.

Projects range from airfield runway repair, extension, recondition, modification, strengthening, or grooving to land development work including clearing, grading, drainage, paving, lighting, fencing, landscaping and signing to rehabilitation of cranes and lift trucks to dredging and fender pile repair to roof repairs to maintaining the Dredge OREGON.

A recent project which I found of special interest involved a state-of-the-art technique to rehabilitate a leaking 1,500-foot-long, 30-foot-deep, 30-inch-diameter sanitary sewer line in the Rivergate area. The technique employed was installation of an inversion liner by the Insituform process (see sketch).

The process includes placing and inverting a resin-impregnated liner, via water pressure, into the sewer pipe and curing it in place. The inversion process effortlessly inverts the liner inside the existing pipe without friction. The buoyant effect of the water suspends the uninverted liner in a frictionless media enabling it to traverse long distances between openings. The liner is propelled forward by the weight of water in the inversion standpipe. It snakes itself through misaligned pipe and around bends, pushing water aside.

Continued on Page 2

Nov. Chapter Meeting

Nov. 13, 1984—The Westin Benson

November Program

Neal Jacques has assembled a panel of Portland Chapter resident experts to lead discussions on SPECIFICATION DEVELOPMENT AND CHANGE.

Special emphasis will be placed on

1. Styles of writing
2. CSI mandated change
3. Items that "get lost in the shuffle."

Date: November 13, 1984

Time: 5:30-6:30 Social
6:30-7:30 Dinner
7:30-9:00 Program

Place: Westin Benson

Cost: \$10.00

For reservations please call 238-1462 no later than noon Friday, Nov. 9, 1984.

Parking is Free!

Enter the parking facility on S. W. Broadway near Stark (under the Bank of California). There is an underground passage to the Westin Benson. Bring your parking ticket to the meeting. It will be validated.

CALL IN YOUR RESERVATION EARLY.

This is going to be a well attended meeting.

Mystery Guest Sept. 11 Meeting

Ms. D. B. Johnson - Contract Administrator for Facilities Support Division of Tektronix.

It's no mystery that D.B. is the mother of '83 Olympic Gold Medal "downhill" Bill Johnson.

It's no mystery that D.B. is the '84/'85 President of the Columbia River Chapter of the American Institute of Plant Engineers.

It's no mystery that D.B. is one of the most charming guests to grace our chapter for a long time.

The only mystery is - what does D.B. stand for? We hope she will apply soon for membership and share her expertise and charm.

Coming Attractions

Dec. 11, 1984
Christmas Party

Jan. 8, 1985
Computer Assisted Design

Feb. 12, 1985
Personal Development

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

Jun. 11, 1985
Annual Fun Night & Awards

CSI Trivia, Portland Chapter CSI

55 members (42%) of the 1976 roster are still members. This comprises 25% of our current membership.

21 members have had 10 years continuous membership.

14 have had 15 years continuous membership.

5 have had 20 years continuous membership.

4 are founding members of the Portland Chapter.

1 has been a member of CSI since 1948, the founding year of The Construction Specifications Institute.

From the Ad Hoc Committee on Chapter Service - Margie Largent, Leader.

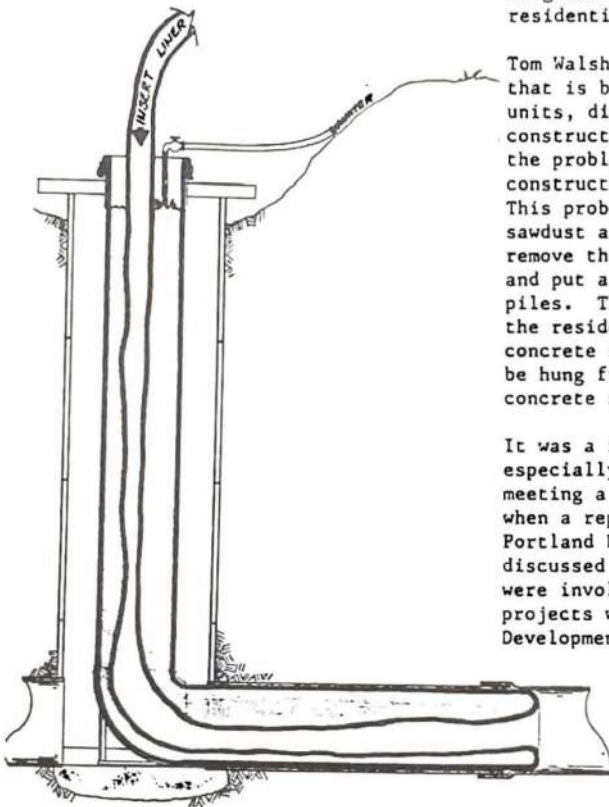
BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, Nov. 6, 1984
CSI Office - Room 200
1125 S. E. Madison

The Port

Continued from Page 1

The liner is cured in place by raising the temperature of the water to 150 to 200-degrees to effect a cure of the resin. The liner becomes hard and sound.

By employing this practical alternative to pipe replacement, the work was accomplished at a fraction of replacement cost due to a dramatic reduction in construction time.



October Chapter Meeting

The October meeting of the Portland Chapter of the Construction Specifications Institute consisted of two parts. The first part was a presentation by Harriet Sherburne, Project Manager for Cornerstone Development. She discussed the South Waterfront Development Project next to the Willamette River. She also gave a little bit of background on Cornerstone/Weyerhaeuser Company and its commitment to cities. Cornerstone/Weyerhaeuser Company has a strong commitment to mixed use neighborhoods having both residential and commercial uses.

Tom Walsh, a member of the company that is building the residential units, discussed the nature of the construction. He described one of the problems which occurred during construction and how they solved it. This problem was the existence of sawdust as landfill. Rather than remove the sawdust, they drove piles and put a concrete slab on the piles. They are now constructing the residential units on the concrete slab. The utilities will be hung from the underside of this concrete slab.

It was a fascinating meeting especially since I remember a meeting a couple of years or so ago when a representative of the Portland Development Commission discussed some of the projects they were involved with. One of the projects was this Waterfront Development Project, now under way.

CSI Village

Portland Chapter member Don Walton announces an addition to an office warehouse complex by 111 Investments. Don is a partner.

Just look at this list:

Designed by: Ehmann & Associates, Architects, Dick Ehmann FCSI.

Project Architect: Bob Klas CSI, CCS, Candidate for CSI Region Director.

General Contractor: Brockamp & Jaeger, John Brockamp CSI, Partner; Ralph Nelson CSI, Project Manager.

Tenants with CSI Members: Modernfold Northwest, John Cameron CSI, Steve Crum CSI; Ehmann & Associates Architects; Wescon, Mark Carpenter CSI.

Other tenants include two engineering firms, a CPA, a publishing company and an awards firm.

Ways to Prevent a Product Liability Lawsuit

Wholesalers/distributors can protect themselves from product liability suits by insuring properly and by implementing an effective risk management program that actually reduces the possibility of loss.

By properly negotiating terms and conditions regarding products purchased for resale, wholesalers/distributors can minimize the threat of product liability action. Also by paying careful attention to the instructions, guidelines, training manuals, recall and/or retrofit notices from manufacturer/suppliers, wholesalers/distributors always will be in better position to defend against an alleged product liability action.

Wholesalers/distributors should take several steps to evaluate product liability insurance protection:

1. Review the products. Pay particular attention to hold harmless or indemnification contracts running from and to suppliers and customers. Be certain that the insurance company properly credits indemnifications. Make sure that hold harmless agreements do not contradict obligations made under the insurance contract and that the liability policy covers them.
2. Keep detailed records of all insurance coverage, both past and present. The records should include the insurance agent/broker's representation of the broadness of coverage and its applicability to the business. The insurance company should be financially sound and reasonably capable of delivering on its promises.
3. Scrutinize policy limitations and exclusions.
4. Be realistic about the policy's limits. \$500,000 combined single limit is minimum primary coverage. A \$1 million (excess) umbrella policy is basic. Additional coverage in \$1 million increments should be considered. Most firms carry at least \$5 million coverage. Higher policy limits are prudent even if it is necessary to accept higher deductibles to keep the total cost of insurance on budget.
5. Some common product liability exposures can not be insured. These typically involve losses due to failure of the product to perform as warranted. Flag areas that are uninsured or uninsurable.

WESCON Expands

Mark Carpenter, President of WESCON MATERIALS, INC. of Beaverton, announced this summer their newly formed association with the F. O. SCHOEDINGER CO. of Columbus, Ohio. WESCON will function as a subsidiary corporation with Mark continuing as President. Carpenter explains the association will broaden his firm's technical assistance and market service capabilities.

Continued on Page 5

Facts About the CCS Program

1. The CSI Certification Program is a means for specifiers to demonstrate their experience, ability, and knowledge in the preparation of written construction documents.
2. Applicants for examination must have a minimum of five years experience in one of the construction design disciplines and have prepared, or supervised the preparation of written construction documents.
3. Successful applicant must pass a written examination based on the contents of the CSI Manual of Practice, Conditions of the Contract, and practical preparation of specifications.
4. Applicant need not be a member of CSI - certification is open to all who successfully meet the qualifications listed in 2 and 3 above.
5. Applications for the CCS examination must be received at the Institute offices no later than February 1st of the year in which it is to be taken.
6. Next scheduled examination is April 13, 1985.
7. Examination is offered in 43 cities throughout the United States. Additional sites will be established if circumstances warrant.
8. Examination is "closed book" and lasts from 9:00 a.m. to 2:00 p.m.
9. Examination is based on the following:
 - a. Principles of written construction documents (questions derived from the current edition of the Manual of Practice).
 - b. Conditions of the Contract (questions from MP-1-5 of the Manual of Practice).
 - c. Practical Preparation (rewrite, reformat, and improve brief specification texts which have been improperly written).
10. Certification is valid for three years and is renewable upon payment of renewal fee plus evidence of continuing experience and competence in preparing written construction documents. Renewal is also valid for three years.
11. The names of those certified will be published in the annual CSI directory.



Center Will Study Roofing Problems

Battelle Institute is organizing an International Roofing Center that will collect and analyze information on roofing problems. Expected to open in January 1985, the center will also provide solutions to those problems as well as information on new roofing products and markets. Emphasis will be on flat and low-slope roofs in the nonresidential sector, including built-up, single-ply, and metal roofs.

The center will review decks, vapor barriers, insulation, membranes, skylights, expansion joints, flashing, fascia and cant strips, fasteners, adhesives and caulking, protective finishes and ballast. Data about problems will be collected from anonymous contractors, architects and manufacturers. A computerized system will help gather, analyze, and report the information, including recommendations received from a national network of roofing consultants who will identify and characterize problems. Eventually, this information will reveal trends, which in turn will lead to recommendations for eliminating or minimizing problems.

Information will be disseminated through quarterly project reports, special periodic bulletins, comprehensive annual reports, and seminars.

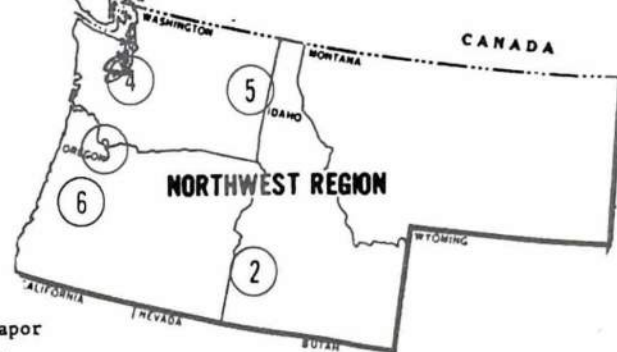
- RSI, June 1984

Expert Defined --
 Ex--a has been
 spurt--a drip under pressure
 "Exspurt, now I are one"

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
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2nd Tuesday of the Month
5:30 p.m., The Westin Benson
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

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 \$45.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Northwest Region has prepaid \$5 for each attendee to hold space for 120 people from this region.

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.

CSI Board of Directors

Meeting of October 2, 1984:

October 2, 1984 at Builders Exchange, Portland, Oregon

PRESENT: Seeley, McCormick, Ross, Jacques, Davidson, Latham, Largent, Vrla, Sherman, Townsend, Kilbourn, Obert, Akeson, Klas.

Meeting called to order at 12:05 p.m. Minutes of 9/04/84 read and approved.

Treasurer's Report: Jim Davidson distributed a prorated 1984-85 budget along with the September 30 quarterly report. Approved as read.

The board agreed to use ComGroup services for all mailings as of January 1, 1985, rather than renew the Chapter's Postal Permit.

Jim Davidson reported that the Chapter's financial books have been audited.

The board agreed to continue with CDIC for investment of CSI funds.

Education: Ivan McCormick discussed three seminars (2-1/2 to 3 hours each) during the current year. CURRENT LEGAL ISSUES, January, 1985; DIVISION 1, PROJECT MANUAL (Institute Seminar) March, 1985; and SPECIFICATION WRITING PRINCIPLES, April or May, 1985. Ivan asked whether this last seminar should be tied in with the Products Fair. Several people thought not. A Saturday (all day) meeting for all three seminars was suggested. McCormick will go back to his committee with the Board comments.

Membership: Lee Kilbourn stated there were 233 members at the end of August. He expects to see this number back to 240 members before long. He has a supply of membership applications, flyers, and membership pins, as well as copies of the brochure describing services and publications of CSI for those who wish them.

Kilbourn also commented on the CSI exhibit at the AIA Regional Conference at the Marriott Hotel.

Products Fair: Bruce Townsend stated his committee has an October 4 meeting with Bowler & Associates, to finalize a location and date for the Products Fair.

Programs: Neal Jacques has the program arranged for October. Harriet Sherburne of Cornerstone Development Group will be the speaker. The November meeting will be a "free for all" inviting comments from the audience on spec writing, direction of CSI, etc.

Publications: Les Seeley distributed a chapter planning calendar.

Publicity: Joe Woods called in his report that press releases will be in papers tomorrow.

Technical Documents: Dennis Obert has met with Latham; they are compiling recommendations for purchases to update our library of CSI Documents.

Communication from Jerry Fishel, TDC Chairman for Willamette Valley Chapter, asked if Portland Chapter is interested in conducting a spec writing competition this year.

Ad Hoc Committee: Past Service Record: Margie Largent constructed a large graph showing officers, directors and honors or awards since the beginning of Portland Chapter CSI. She has some empty squares, and could use some old issues of The Predicator, if any are to be found. Call her. This material is going to be put on a computer for easy retrieval and update. The goal of this committee is to furnish resource data for Nominating and Awards committees, Directory and Archives.

Old Business: Amendment of the by-laws was discussed. Dennet Latham agreed to chair this committee. Our goal is to have amendments, if any, voted on in January.

New Business: Bob Klas will inform membership at the next meeting about the CCS Program.

Dennis Obert will include in his next order from the Institute a supply of MasterFormat which will be for sale at the Builders Exchange Cooperative.

Meeting adjourned at 1:10 p.m.

Respectfully submitted,
Inga Vrla, Secretary
Portland Chapter, CSI

P.S.
Don't miss a golden opportunity to display your wares. TableTop Displays get results. Call Neal Jacques 629-9806

Division 15 Revised

The 1983 Edition of MASTERFORMAT - CSI's Master List of Section Titles and Numbers - does a better job of organizing Division 15 material than the former edition. We've tried to list major differences between the old system and the new numbers and titles.

Basic Mechanical Materials and Methods sections were consolidated and renumbered.

Fire Protection sections (15300 to 15399) have taken the place of Special Piping Systems, which were relocated to the Plumbing sections.

Heating, Ventilating, and Air Conditioning sections (15500 to 15549) have replaced Fire Protection. These sections include piping and specialities for steam, hydronic, and refrigerant systems that previously were scattered throughout the Division. HVAC pumps are included.

Heat Generation sections moved from 15600 through 15649 to 15550 through 15649.

Refrigeration sections moved from 15650 through 15699 to 15650 through 15749.

Heat Transfer sections moved from 15700 through 15799 to 15750 through 15849.

Air Distribution sections (15800 to 15899) were subdivided into Air Handling (15850 to 15879) and Air Distribution (15880 to 15949).

Controls sections moved from 15900 through 15979 to 15950 through 15989.

Testing, Adjusting, and Balancing sections were added as 15990 through 15999.

For a list of "Narrowscope" titles and numbers, with helpful "Broadscope" explanations and an even more helpful 80 page Key Word Index, obtain for yourself a copy of the 1983 MasterFormat.

The Chapter will soon begin holding copies of MasterFormat for resale.

Better to extend a helping hand than point an accusing finger

BS by KS

Basic Specs by Ken Searl

A few months ago I purchased a small computer and after operating it for this period of time I thought I would pass on my views regarding the use of a computer in an Architectural or Engineering office.

To begin with I am amazed at what a small gadget is able to do in the preparation of specifications plus many other office functions. I am now able to operate the computer with some degree of efficiency tho I'm still in the learning process and will probably continue in that capacity for some time. If any of you are even remotely considering the purchase of a small computer give it more serious consideration. Once you learn how to operate the rascal you will be glad you did make the purchase.

There are some people who state there is no need to have one in their office because they can't see where it would save them any money. Wrong, wrong, if you save time you save money because this gives one time to do other things they just didn't have time to do before.

I have noticed a lot of typists and secretaries resist buying and operating computers. I just don't quite understand this phenomenon because have always been told old fuddy duddies are the ones most likely to resist new ideas and products. In the case of computers I find myself in the fuddy duddy age group but with a computer even tho many younger people keep resisting computers. It appears to me one can be a fuddy duddy at any age. Just wait until I run this article through the spelling checker program and the words fuddy duddy appear, by golly that should jar the spelling checker.

As I have stated previously I do recommend a computer of not less than 64K with 2 disk drives. The disk drives can be either single sided double density or better yet double sided double density.

The latter gives greater storage capacity and takes up less storage space in your disk file cabinet. I have a Kaypro 2 with a Transtar 120 letter quality printer and you can purchase this combination complete with connecting cable in the vicinity of \$1600 to \$1900 at most of the local computer outlets. One thing I prefer about the Kaypro it is portable and comes with more software programs than most other brands. Mine even came with two word processing programs and I use the Wordstar which seems to be the most popular word processing program available.

There are several other brands of low priced computers available in this price bracket including Radio Shack, Sanyo, Morrow, Apple and others. One thing to keep in mind in the purchase of a computer is be sure and check the price to see how much software is included with the computer. Many prices quoted do not include software programs.

In writing specifications I do most or all from the original preparation to corrections or addenda required later. Other A-E firms use this same method and yet others have a spec writer prepare what is wanted and someone else puts it on the computer and handles all corrections and addenda. It is noted that I do not record anything on the program disk. All information is placed on the second or B Disk. I am not a fast typist but because I no longer worry about making mistakes my speed is improving. The finished product not only makes me look like an expert typist but also a very good speller.

If any of you are on the fence and don't know whether or not to buy a computer for your office I think you should gallop out there and start looking for a brand and type that will meet your needs. If I can be of any help give me a call.

Contractor Can Recover Cost Differences for Substitutions

When specifications permit "or equal" substitutions, the contractor is entitled to substitute materials or equipment equivalent to those specified in the contract. If the design professional rejects the contractor's substitution and directs the contractor to install more expensive equipment then a constructive change has occurred, enabling the contractor to recover the cost difference between the less expensive product and the product chosen by the designer.

A modern trend requires that proposed substitutions be submitted by a definite deadline prior to bid date so that they can be approved or rejected to enable all bidders to be on equal footing. If a supplier, manufacturer, or contractor does not submit the proposed substitutions before the bid date, then the specifications are limited to the brand named plus those that have been submitted and approved. A sole source manufacturer or supplier in effect becomes a monopolist, and the contractor has no choice but to comply with the supplier's or manufacturer's terms and prices. Once suppliers and manufacturers think they are locked in, they often

greatly increase their normal margins. The designer will not know about this monopolistic position because the prices are buried in the contractor's lump-sum bid.

"Equality" does not mean "identity." Equality is defined by the quality, performance, and design of the substitution versus the brand specified. The courts have held uniformly that the contractor has a contractual right to use any product that is "equal" to the brand-name standard. A contractor also has a right to the benefit of an honest judgment by the owner or design professional of the quality of the proposed substitution in relation to the brand-name standard.

- Construction Dimensions, July 1984

Product Liability from page 2

6. Include any association-sponsored insurance programs when requesting bids on corporate insurance needs.

Most policies are "occurrence policies", which insure against accidents that occur during the policy period, even though the loss might not become known for many years. The "Claims-made policy" generally is regarded as more favorable to the insurance company since the insurer does not have lingering future exposure. If a claim is not submitted during the time limitation of the policy, the insurance company is not at risk, even though the event on which the claim is based might have occurred while the policy was in effect.

Recordkeeping -- details of products purchased and sold, including from whom and to whom -- is essential. Each transaction should contain a written record of the legal obligations the wholesaler/distributor assumes, either formally or as part of a purchase or sales order.

U.S. Glass, Metal & Glazing, July/August 1984

OSHA Increases Monitoring of Two-Point Scaffolding

Citing continued loss of life from collapses of two-point suspended scaffolding, OSHA has mandated selective inspection of worksites using the scaffolding. The program, which began in early August, includes provision for immediate inspection in the event of "potential imminent danger." The program will continue indefinitely.

Constructor, August, 1984

Portland Chapter Leaders, 1984-85

President	Betty Sherman	231-5000, Ext. 755
President Elect	Margie Largent	636-6977
Secretary	Inga Vrla	635-6227
Treasurer	Jim Davidson	226-3508

Board of Directors

Greg Ross (1985)	643-6761
John Barker (1985)	231-9118
Karen Akeson (1985)	242-9053
Dennet Latham (1986)	222-1917
J. Min Luey (1986)	228-9468
Jim Hirte (1986)	244-0843
1983-84 President	
Dick Gira	224-8226

Committee Leaders

Products Fair,	
Bruce Townsend	232-9020
John Barker	231-9118
Program, Neal Jacques	629-9806
Education, Ivan McCormick	226-1431
Technical Documents,	
Dennis Obert	245-7802
Editor, Les Seeley	287-7135
Awards, Don Walton	643-9491
Hospitality, Mark Carpenter	626-6400
Publicity, Joe Woods	232-4000
Membership, Lee Kilbourn	224-3860

Region Responsibilities

Region Technical Chairman	
Ivan McCormick	226-1431
CSI Appointee to American Arbitration Association Regional Construction Industry Advisory Committee:	
Bill Merritt	223-8590

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	

Filosoficull Nonsense & Stuff

Cooperation is spelled with two letters -- WE

Enthusiasm

The great hill climber

Beefing won't bring home the bacon



"May I ask where you studied engineering?"

Notice!!

The editor of The Predicator will buy a favorite beverage for the first person attending the next chapter meeting that can tell me the irthday of the first president of the Confederate United States.

A Day Off

So you want the day off. Let's take a look at what you are asking for.

There are 365 days per year available for work. There are 52 weeks per year in which you already have two days off per week, leaving 261 days available for work. Since you spend 16 hours each day away from work, you have used up 170 days, leaving only 91 days available. You spend 30 minutes each day on coffee break that accounts for 23 days each year, leaving only 68 days available. With a one hour lunch period each day, you have used up another 46 days, leaving only 22 days available for work. You normally spend 2 days per year on sick leave. This leaves you only 20 available for work. We are off for 5 holidays per year, so your available working time is down to 15 days. We generously give you 14 days vacation per year which leaves only 1 day available for work and I'll be damned if you're going to take that day off!!!

The Predicator

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Portland, OR 97214

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THE PREDICATOR



Vol. 24 No. 4

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

December 1984

President's Corner

by Betty Bellwood



1985 Products Fair

You're no doubt receiving 1985 Calendars in your home and office. We want you to mark an important date as you place that new calendar.

I have asked John Barker to write the following article:

"Better than ever! That's how the 1985 CSI Products Fair will be. Drawing upon the experience of a decade of successful shows, suggestions from the membership, past exhibitors, and our professional public relations firm, Bowler & Associates (new this year!), chairman Bruce and John have combined proven ideas with new ones to produce the best show yet!

"There are several new features this year: For one thing it will be held for one day: April 4 at the Coliseum. But for another, the hours will be longer: tentatively from 10 a.m. to 8 p.m. We hope to attract mobs of professionals on their way home from work. (appeal to their mind through their stomach!) The same, minus the wine, goes for lunch.

"The fair has grown up. New this year is some professional organization. After ten years, the board felt it was time to invest in the services of a public relations firm to help produce and market the show: thus, Bowler & Associates. A professional poster is in the works as are several

Continued on Page 5

December Program

CHRISTMAS PARTY

HAVE YOUR PORT AND DRINK IT TOO!

Have your Port and drink It too!

Dick Montgomery will show slides and describe the Port of Portland. There will be festive decorations, Christmas music, and door prizes. Don't plan to go home at 8:30'

Date: December 11, 1984

Time: 5:30-6:30 Social
6:30-7:30 Dinner
7:30-9:00 Program

Place: Westin Benson

Cost: \$10.00

For reservations please call 238-1462 no later than noon Friday, December 7, 1984.

Be sure to call in reservations for the December meeting because the November meeting attendance exceeded the number of reservations by 10. In December we may not be so lucky.

Parking is free!

Enter the parking facility on S. W. Broadway near Stark (under the Bank of California). There is an underground passage to the Westin Benson. Bring your parking ticket to the meeting. It will be validated.

Anonymous:

As the old man walked the beach at dawn, he noticed a young man ahead of him picking up starfish and flinging them into the sea. Finally catching up with the youth, he asked him why he was doing this. The answer was that the stranded starfish would die if left until the morning sun.

"But the beach goes on for miles and there are millions of starfish," countered the other. "How can your effort make any difference?"

The young man looked at the starfish in his hand and then threw it to safety in the waves. "It makes a difference to this one," he said.

(From the Field Newspaper Syndicate)

Coming Attractions

Jan. 8, 1985
Computer Assisted Design

Feb. 12, 1985
Personal Development

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

Jun. 11, 1985
Annual Fun Night & Awards

Nominations Solicited for Concrete Associations Awards

The Oregon Concrete and Aggregate Producers Assn. is now seeking nominations, which must be received not later than Dec. 31, 1984. Further information may be obtained from Ron DeLeenheer, Awards Committee Chairman, at OCAPA, P. O. Box 1006, Tualatin, Oregon 97062 - phone 620-4405.

Lectern Lost

The chapter lectern, made by our first chapter president Lowell Anderson and with the CSI seal on the front made by past Chapter President Ken Walter, is missing.

Lee Kilbourn says he last recalls seeing it at a meeting at Osbeck's Rose Manor Restaurant, but a search of the likely and unlikely places there turned up empty handed.

Anyone knowing the whereabouts of our lectern, or with knowledgeable guesses about its location, is requested to present this part of their knowledge to Lee at the December meeting; or call him after that time.

An appropriate reward is offered.

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, Dec. 4, 1984
CSI Office - Room 200
1125 S. E. Madison



Bob Klas' Letter

Ten plus years ago when I joined CSI, I thought the reason was to learn more about construction specifications and products. That certainly happened, however, an unexpected bonus was meeting friendly, responsible, and interesting people, who had similar concerns. These included architects, attorneys, engineers, people associated with building owners; and manufacturers, product reps., contractors, and subcontractors. Besides being introduced to this cross section of the Portland Construction Industry, I have had the opportunity of meeting people from throughout the Northwest Region, and (eventually) from throughout the Nation at conventions.

An obvious benefit is that we are able to exchange ideas with all these disciplines in a more relaxed atmosphere. I believe we also try to give our fellow members a little extra time and courtesy in the daily routine. There are other intangible benefits in being a part of this cross section of the Industry, which may be difficult to enumerate, but they certainly include a better understanding of one's place in the scheme of things.

So, after 10 years, I am still learning about specs and products. The seminars and product shows are concentrated sources of information. The Specifier assures me a monthly shot of broad ranging educational articles. And, all the published documents are valuable tools. The most important aspect of all of this is that CSI facilitates meeting and discussing our work with all the other disciplines involved. It is an advantage that no other industry organization can offer us.

The Construction Specifications Institute was founded 36 years ago to meet the need of organizing written construction documents.

And, it succeeded because the need was critical, and the challenge inspired many, very able members to contribute their time and talents. As a result, we now have a specification and product data program that is phenomenally effective and has been accepted with few reservations throughout the construction industry. While there is a continuing responsibility to maintain and improve the existing programs, new programs are required to meet current needs and, more important, maintain the member's interest.

Recent articles by our Institute Officers indicate that studies are to be made regarding the future role and image of CSI. Some of the possibilities under study include establishing an Electronic Data Base for the Industry. I imagine that subscribers would have access to a variety of construction information including product data, standards, code and ordinance requirements. Another possibility is going International with our program. This has already begun with CSC in Canada, and the potential is enormous for those interested in International work. It also seems that a study of working drawings - similar to what has been accomplished with specifications - would be a worthy effort. Any or all of this must result in increased membership. I have heard that there are 2 million potential members in the U.S. A result will be improved liaison with other organizations, and an increased leadership role in the construction industry. CSI's track record and broad membership base makes our Institute a natural for this sort of growth.

Very exciting things are in the future of CSI. But, we must remember that CSI is individuals who are interested in improving their work.

The Institute's efforts will only succeed if they address the real, current needs of all the members. So that the members are willing to dedicate time and talent to participate in those efforts. A critical step in these exciting, long range studies is determining your needs, and, your participation begins by making them known.

Robert R. Klas

OOPS—

The November issue of The Predicator mentioned Bob Klas, CCS. Bob brought to our attention that he has not completed the CCS course as of yet.

Delay Claims Rest on Several Elements

The basic function of a scheduling claim is to identify the facts that caused the deviation from the schedule, to demonstrate that the contractor was delayed, and to prove to what extent the contractor is legally entitled to an extension of time or additional compensation. In a scheduling claim the contractor must prove:

1. the delay was excusable and not something for which he is liable under the terms of the contract;
2. he has complied with the technical requirements of the contract pertaining to the assertion of claims;
3. what caused the delay;
4. the delay increased his costs.

Noncompensable delays generally arise from events that are beyond the control of the contractor or owner - e.g., labor disputes, unusually severe weather conditions, unusual delays in transportation, vandalism, and delays caused by suppliers and second-tier subcontractors.

Compensable delays, which are caused by the owner or the owner's representatives, give the contractor the right to an extension of contract time and the right to additional compensation. However, the contractor must show that the delay was caused by the owner or that the owner somehow disrupted or interfered with the contractor, causing him to incur additional costs.

The basic categories of delays may be modified by special contractual terms. For instance, a "liquidated damage" clause represents an agreement by the parties that certain amounts of damages will be recoverable for a breach of contract. "No-damage-for-delay" clauses attempt to limit the owner's monetary responsibility for delays they or their representatives cause. This is generally strictly construed.

Construction Dimensions, 9/84

General Contractor Honored

Brockamp and Jaeger Inc. has been selected as the outstanding General Contracting firm in Oregon for 1984. The award was recently announced by the Oregon Building Congress in Portland. They are represented in CSI by the ever helpful and smiling John Brockamp. Congrats to all the folks at B & J.



A Letter of Introduction

Dear CSI Members:

In February, we in the Northwest Region will elect a new Region Director-Professional. My name will be one of two that will appear on the ballot for this position.

To date, history indicates that voters who are not familiar with the candidates, do not participate in the election process. Both Bob and I hope that this will not be the case this time.

In keeping with this concern, I would like to take the opportunity to introduce myself to those members I have not met at previous region functions. It will be short because the Institute has been kind enough to provide biographical sketches with the ballot.

I have been a member of CSI since joining Puget Sound Chapter in 1973. I am somewhat shorter than Paul Newman, and even though our hair is the same color, my eyes are not blue. Having covered the exterior highlights, I will share with you, my thoughts on the office which I seek.

I am convinced that CSI, because of its truly unique position in the nation's largest industry, will grow and prosper. This however must not be conceded as an automatic evolution. It will require the support of a strong and informed membership.

Informed members constitute viable and continuing Chapters. Viable Chapters create the base for assertive Regions. Assertive Regions contribute to the long range health and survival of the Institute.



Information is transmitted to the membership through the Region Directors, the Officers, the Specifier and the News Digest. Information is transmitted to the Institute primarily through the Region Director. Under the present Administrative Guide, the Directors are critical to the exchange of information within CSI.

The Northwest Region consists of the largest geographical area in the organization. Our membership however is the second smallest. While this gives us a tremendous growth potential, it amplifies the importance of our two Directors in communicating within the Region. I am committed to improving our inter-region communication and to expanding our intra-region information exchange.

The Northwest Region has for years, been a positive contributor to the Institute policy process. I am dedicated to continuing that relationship with hopes that we can do an even better job in the future with less polarized positions on major issues. I will be assertive rather than aggressive.

I bring to the position a new enthusiasm, tempered by patience learned through past involvements with Institute policy processes.

I hope to visit with as many members as possible before the election. With no major campaign platform, marginal volunteer staff and limited funding, I can make no promises. I do however ask for your vote and your support. Together we can continue to be an assertive voice in CSI, guiding the Institute as it seeks new horizons in the coming years.

Sincerely

John H. Greiner
Candidate
Region Director-Professional

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
5:30 p.m., The Westin Benson
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

Monterey, California
1985 Tri-Region Conference



Seminar Offered

Avoid Litigation

Friday
February 8, 1985
Monterey, CA
8:30 a.m. - 4:30 p.m.
Continuing Education
Units 0.6
\$170 - CSI Members
\$195 - Non-Members

Information:
(703) 684-0300

This program meets criteria for the nationally accepted Continuing Education Unit. CSI issues certificates of completion and maintains records of non-credit educational experience.

CSI Board of Directors Meeting

Nov. 6, 1984 at Builders Exchange, Portland, OR

PRESENT: Davidson, Akeson, Hunt Jones (for Carpenter), Obert, Townsend, Seeley, Largent, Luey, Gira, Sherman, Vrla, Barker, Jacques, Woods, and Ross. **ABSENT:** Kilbourn, McCormick, Latham, and Hirte.

Meeting called to order at 12:00 noon. Minutes of meeting of Oct. 2, 1984 were read and approved.

Treasurer's report (a summary of expenses) was distributed and discussed. Approved with no corrections.

COMMITTEE REPORTS:

Awards: Hunt Jones reported for Don Walton that a meeting was held on Oct. 26, 1984. Don encourages added participation at next meeting on Nov. 16, 1984.

Education: Chapter seminar dates have been confirmed. Two will be held in 1985. The first will be "LEGAL ISSUES" presented by Bill Merritt on Jan. 8, 1985 prior to our regular meeting.

Hospitality: Chapter meetings will be moved into the Crystal Ballroom of the Westin Benson.

Products Fair: Co-Chairman John Barker and Bruce Townsend will hold next meeting on Nov. 8, 1984 with designer of our theme poster.

Programs: Neal Jacques reported that our panel for the November meeting will be Lee Kilbourn, John Crook and Dennis Obert.

Betty Sherman is coordinating the December meeting. Karen Akeson will be responsible for decorations and would appreciate all the help she can get.

Publicity: Joe Woods has arranged for release notices of our activities with The Oregonian, The Daily Journal of Commerce and The AIA Newsletter.

Technical Documents: Dennis Obert reporting. Committee meetings, Oct. 17 and 30, 1984, at SRG Partnership offices. Working on updating CSI Library; Computer Spec. Committee; TAS document 06125 "Wood Decking"; coordination of Architectural and Mechanical Div. 1 Spec. Sections. Next meetings will be at 5:30 p.m. at SRG offices on Nov. 15th and Dec. 6th.

Ad Hoc Committee Reports:

Chapter Past Service Award Record: Margie Largent reporting. Presented computer print-out of information thus far compiled.

By-Laws: Dennet Latham is preparing suggested By-Law change to be presented at Dec. 1984 meeting. There was some discussion regarding the chapter sponsoring the trip to the National Convention for the President-Elect and the President. Our Chapter currently pays for the President and President-Elect to attend the Region Conference and the President's trip to the National Convention.

Old Business: Inga Vrla is compiling a list of committee meeting dates. Copies of Master Format have been ordered. They will be available for purchase upon arrival.

New Business: Dick Gira mentioned that all CSI members were welcome to attend the Portland Chapter AIA Christmas Party and Art Sale. Our President Betty has extended an invitation to our AIA colleagues.

Meeting adjourned 1:04 P.M.
Respectfully submitted

Inga Vrla, Secretary

Chapter Service

Ad Hoc Committee: Requests that any former "Awards" Chairmen - or people who have received awards - let us hear from you. Please look over the Chapter Service Chart or Computer Print Out and note any corrections, additions and deletions.

The Charts and Print-out will be posted at the Chapter meeting at the Benson.

M.L.

Trivia

Of 37 Ex-Board-of-Directors Members listed in the 1984 Roster:

35% have served as Chapter President at least once and of these past Presidents - 33% have served 2 terms.

Serving on the Board of Directors doesn't mean filling a chair in the Board Room once each month. It implies that you, as a member of the Board of Directors, would be willing to be President, if elected. You might be responsible for the committees assigned to you while serving as a Director. Generally, you should be informed and prepared to perform duties as a Chapter Officer.

November Meeting

Tuesday, November 13, 1984, Portland Chapter CSI members were treated to a special evening. First we had a delicious, low priced New York Strip steak dinner and then there was a stimulating discussion of Specifications. The panel that presented the topics was Dennis Obert, John Crook and Lee Kilbourn.

Dennis started the discussion with his favorite topic - Masterformat - and a discussion of the 5 digit numbering system. He discussed the time it took him to redo his master spec to conform to the new 5 digit numbers and then reasons for use of 5 digit numbers. The consensus seemed to be, after some audience participation, that it was easier to find things, gave a more accurate cost estimate and there were better communications when the 5 digit numbering system was used.

John Crook came next with his pet peeve - extremes in specifications writing - also known as KISS (Keep It Simple Stupid) versus "Belt and Suspenders." Some spec writers still give proprietary names and then list reference standards too. This only leads to confusion as to which is applicable.

A discussion of shop drawing requirements followed including the question of what size and how many are needed.

Lee Kilbourn's topic was the substitution request form. He usually lists one to three manufacturers and then gives others the opportunity to request approval. There is still confusion as to what "or equal" and "approved equal" really mean. Lee feels the use of "acceptable manufacturers" is more clear.

One thing that was stressed on this topic was that once an architect or owner decided that another manufacturer was acceptable, then they should stick with the decision and not change it.

There was some discussion of where the substitution request form should be put in the Contract Documents. It was decided, by consensus, that it should be included in Division 1 if a negotiated contract. In a bid project, the bidding requirements should at least contain a reference to the location of the form.

Dennis then discussed the revisions to the Section Format. This seems a need to help small firms come up with a two page spec section rather than a 10 page spec like the large jobs need. The construction industry needs to have AIA, CSI, or both together, write short form

Continued on Page 5

LEGAL CONCERNS FOR THOSE WHO PREPARE AND ENFORCE CONTRACTS

A SEMINAR ON:

Contract Negotiation
Contract Theory
Lien Claims
Bond Claims

JANUARY 8, 1985

3:00 to 5:30 PM
Benson Hotel

SPONSORED BY:

Portland Chapter CSI

MODERATED BY:

Bill Merritt
Portland Lawyer & Architect
Has written for the
Construction Specifier and
other publications

Future Seminars in this series

MARCH 12 — DIVISION 1
by Ken Searl

May 14 — Specification
Writing Principles
by Paul Edlund

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

As a follow-up to last months BS by KS I found some statistics on the use of personal computers. Just who are the users or as Don would say the shakers and the movers? Well, here we are:

Who are you?

Manager/Professional	85.5%
College Education	90.2%
Post Graduate Education	47.2%
Male	81.8%
Female	18.2%
Married	76.0%
Single	23.0%
Ages 21-44	66.4%
Ages over 44	33.6%

You will note they don't list any Fuddy Duddy group so I guess that puts me in the over 44 group. The female group seems to be the lowest group and my question is why? One guess is many in the female group no doubt are in the excellent typist group and for some reason I can't understand, some of this group strongly resist the use of computers.

Another statistic I discovered is that software ownership lists word processing on top at over 60% with entertainment 2nd at 37%, then comes files, business/accounting and educational training. One item of great interest is that 91% reported they had paid for their own computer, just couldn't wait for their firm to purchase one. I fit in this group.

Now, to switch subjects, I want to talk to you about CSI Regional Directors. An election including voting for Northwest Regional Director is coming up early in 1985 and there are two candidates for the position to succeed Art Nordling of the Spokane Chapter. One candidate is from the Puget Sound Chapter and our own Bob Klas is the other candidate. Both candidates are excellent choices but as you can guess I lean towards Bob Klas.

I have known Bob for many years and I have always found him to be hard working and I have every confidence that if elected he will pursue his duties as Regional Director to the utmost of his ability. Another and important reason to vote for Bob is it has always been the practice to have Regional Directors from more than one chapter. If the other candidate is elected we will have both Regional Directors from the same chapter. It is gratifying that we do have two choices and for golly sakes get your vote in as soon as you receive the ballot.

As you may recall I was one of those squeaking wheels a few years ago that

was asking that the nominating gang come up with two candidates, not one as the practice had been. Well as soon as we started having two or more candidates on the ballot I was nominated along with Paul Edlund and as you remember he was elected and as you know he did a super job as Regional Director. I knew I was going to lose in advance because my employer told me that Edlund would win because he was much more qualified and probably less radical. Well the boss was right and I also agree with his evaluation. By now you are probably asking what point is Ken trying to make. Well I guess what I am saying is that we have two candidates, both having excellent qualifications so it will be harder to decide but do decide and do vote. Please no write-in votes for Ken.

Everything You Always Wanted to Know About Energy Management ...

Guidelines for the Purchase and Design of Energy Management and Control Systems for New and Retrofit Applications is designed to help engineers walk through the maze of energy management and control systems. Available for \$10 from the American Consulting Engineers Council, it provides information on automatic control and discusses building-related factors influencing energy management and control systems, technical considerations that have an impact on a system, system concept design, final system design and implementation, and future trends.

Plant Engineering, 9/13/84

November Meeting

Continued from Page 4

specification sections for small jobs.

Engineers still want their own boiler place in Division 15 though the engineers present in the audience seemed to agree that most of it is now covered in Division 1.

John stressed that there needs to be coordination of contract documents to minimize conflicts. This includes the approval of products and their installation. There was some additional discussion of time required for approval of subcontractors - is 48 hours long enough and 24 hours too short?

All in all a very good meeting...

Importance of Nonresidential Building Increases

As rising interest rates bring the housing cycle to a premature end in the second half of this year, nonresidential building will increasingly dominate the market. Its momentum will help carry 1984's total construction contracting to a record \$210.9 billion, reports McGraw-Hill Information Systems Company.

The market forecasting firm explained that by the end of the year the "shape" of the construction market will be much different from what it was at the beginning. It predicted that nonresidential building is headed for a 12% gain this year, eventually reaching \$69.6 billion.

Nails & Ceilings, August 1984

Profits of Design Firms Are Down

The 1984 Financial Statistics Survey, sponsored by the Professional Services Management Journal, reveals the profits of design firms are still falling. The survey found the median pretax profit for design firms to be 2.6% of gross revenues, down from 2.9% in 1982. The chief factor contributing to this result is the continued rise in overhead rates. The median overhead rate has risen to 161.1% from 155% in 1982. The survey also revealed that firms with computer-aided design and drafting capabilities are more profitable than firms without this capability. Revenues per employee are an average of 6% higher for such firms, and overhead expenses are reduced due to better utilization of labor. Of the firms surveyed, 28% now have CAD capability. Metal Building Review, 9/84

Products Fair From Page 1

schemes to ensure terrific publicity and attendance. Look for a snow of shows!"

Thank you, John. Your and Bruce's work and enthusiasm are appreciated, and vital, to the success of the Fair.

So, THE PREDICATOR readers, we ask that you mark April 4, 1985, PRODUCTS FAIR, PORTLAND, OREGON, on your new calendars now

My sincere best wishes for a joyous holiday season and a prosperous 1985 to all.

Betty Bellwood

Portland Chapter Leaders, 1984-85

President	Betty Sherman Bellwood	231-5000, Ext. 755
President Elect	Marqie Largent	636-6977
Secretary	Inga Vrla	635-6227
Treasurer	Jim Davidson	226-3508

Board of Directors

Greg Ross (1985)	643-6761
John Barker (1985)	231-9118
Karen Akeson (1985)	242-9053
Dennet Latham (1986)	222-1917
J. Min Luey (1986)	228-9468
Jim Hirte (1986)	244-0843
1983-84 President	
Dick Gira	224-8226

Committee Leaders

Products Fair,	
Bruce Townsend	232-9020
John Barker	231-9118
Program, Neal Jacques	629-9806
Education, Ivan McCormick	226-1431
Technical Documents,	
Dennis Obert	245-7802
Editor, Les Seeley	287-7135
Awards, Don Walton	643-9491
Hospitality, Mark Carpenter	626-6400
Publicity, Joe Woods	232-4000
Membership, Lee Kilbourn	224-3860

Region Responsibilities

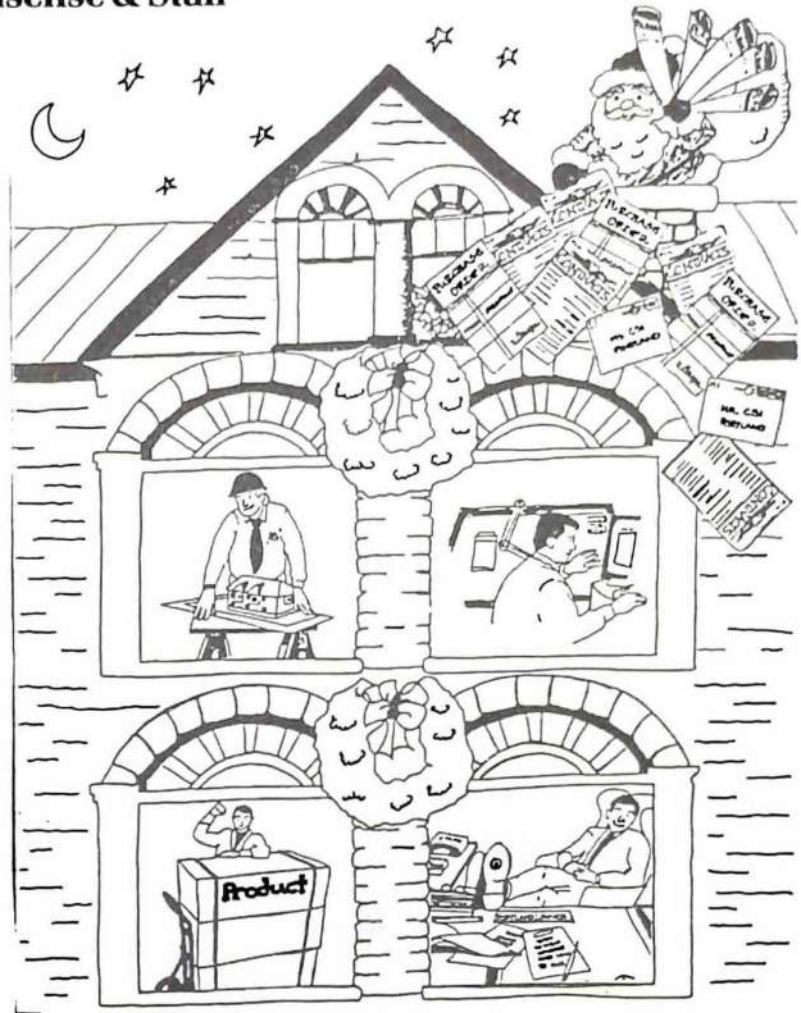
Portland Chapter Members

Region Technical Chairman	
Ivan McCormick	226-1431
CSI Appointee to American Arbitration Association Regional Construction Industry Advisory Committee:	
Bill Merritt	223-8590

Region Directors

Arthur A. Nordling	509-838-8681
c/o Walker McGough Foltz Lverla	
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	

Filosoficull Nonsense & Stuff



To All of You — We wish you a very Happy Holiday And
Prosperous New Year.
From The Staff of THE PREDICATOR,
Les & Paula Seeley — Lee & Perky Kilbourn — Darlene Fust

The Predicator

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

Address Correction Requested

BULK RATE
U.S. Postage
PAID
Permit No. 1737
Portland, OR

Dated Material

Something Borrowed (from Spokane's Punchlist)

A noteworthy mechanical spec item:

O.D. of all pipe must exceed the
I.D. Otherwise, the hole will be on
the outside.

Robert R. Klas
R.C. Ehmann & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005

President's Corner by Betty Bellwood



Two-Step Bidding

The two-step bidding process is a powerful tool in public works procurement. Public works are required by law to utilize competitive bidding in most of their procurement work. The two-step process allows competitive bidding between proprietary products. It eliminates closed specifications.

The purpose of the two-step bidding process is to take advantage of the ingenuity of the specialized skills found in industry and to encourage freedom of design and specialized manufacturing skills and techniques.

The first step in the two-step bidding process consists of reviewing and accepting or rejecting proposals, without price, which the bidder feels will perform the specified function. The first step is open to the entire industry.

The second step comes after all proposals are reviewed. Those proposals which satisfy the specified function are accepted and bids, with price, are requested from those bidders. Step two is open only to those who have submitted acceptable proposals. Award is then to the low bidder.

The two-step bidding procedure requires that the bidder understand the function of the item to be supplied. The specifications must completely describe the function. The bidder proposes the best item which will perform the specified function.

The two-step bidding process has several distinct advantages. It encourages innovation and the latest state-of-the-art. It is adaptable to the largest and the smallest item where performance

January Program Computer Aided Design

This program is intended to encompass the "real world" use of CAD. There will be something of interest and value for every member. There will be equipment displayed to provide a "hands-on" period for interested parties.

Date: Tuesday January 8, 1985
Place: Westin Benson
Times: 5:30 - 6:30 Social
6:30 - 7:30 Dinner (\$10)
7:30 - 9:00 Program

For reservations, it would be best to call 238-1462 by Noon Friday, January 4, 1985. If on Monday morning you've just remembered, it won't be too late (if by noon).

Parking is free! Enter the parking facility on S. W. Broadway near Stark (under the Bank of California building). There is an underground passage to the Westin Benson. Bring your parking "ticket" to the meeting and it will be validated.

EDITORS NOTE re: JANUARY MEETING

Between our own K.S. with all the B.S. (Basic Spec's) and Neal Jacques, your editor is really hyped over this program. It is my considered opinion that missing this one would be a mistake.

CAD/CAM, CAE 1984 Revenues to Reach \$2.8 Billion

Annual growth in the computer-aided design and manufacturing, computer-aided engineering (CAD/CAM, CAE) industry has hit 52% this year. A survey conducted by Daratech Inc., Cambridge, MA, reports this is up from 40% in 1983 and 28% in 1982. The company projects that revenues for the industry will reach \$2.8 billion for 1984. The growth has come since last year's introduction of more powerful, cost-effective systems by all leading suppliers--Computervision, IBM, Intergraph, Calma, and McAuto. Adding to the growth are sales of electronic circuit design systems by specialty vendors. Daratech projects these sales to grow 180% in 1984, accounting for 8% of the industry's total revenues. Daratech projects that revenues for systems based on personal computers will hit \$40 million this year. This should cause the industry to grow even more and put CAD/CAM, CAE systems within reach of all design professionals.

- Plant Engineering, 11/15/84

specifications fit better than precise design. The owner is protected from inferior products by complete review during step one.

Coming Attractions

Jan. 8, 1985
Computer Assisted Design

Feb. 12, 1985
Personal Development

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

Jun. 11, 1985
Annual Fun Night & Awards

Drama + Showmanship = Sales

A well-timed dramatic touch gets the attention of the prospect and holds it. Almost any product or service has the potential for demonstration. You can stage an effective performance without resorting to hocus-pocus. Simply use your imagination and the selling aids provided. Any time you create action, your presentation becomes more interesting. Such sales aids as charts, graphs, mock-ups, models and slides give your presentation buoyancy. A demonstration can catch the buyer's interest, fortify your argument, help the prospect understand the proposition, stimulate your own interest in the product, cut down objections, and help close the sale. Make sure your demonstrations are short, well rehearsed, and enthusiastic.

- Doors and Hardware, 10/84

Opportunity...

Your Products Fair Committee is offering a great opportunity to advertise your support for this year's Product Fair.

Do not overlook this chance to be at the forefront of exposure. This is going to be a great Products Fair and should be very well attended.

For more information, call:

John Barker 231-9198
Bruce Townsend 232-9020

Department of Energy Award Winner Shares Know-How

By: Dan Johnson, CSI Supervisor of Maintenance
Battleground, WA School District

NO COST LOW COST
ENERGY MANAGEMENT

Battle Ground School District #119
204 West Main Street
Battle Ground, WA 98604

Battle Ground School District serves the educational needs of approximately 6,700 K-12 students in the Central and Northern portions of Clark County, Washington.

ENERGY CONSUMPTION REDUCED 37% OVER 12 MONTH PERIOD

SCHOOL YEAR		Difference	Percent Reduction
1981 - 82 BTU's per square ft.	1982 - 83 BTU's per square ft.		
69,089	43,544	- 25,545	- 37%

Battle Ground School District Energy Saving Projects 82-83 School Year have consisted of no cost/low cost energy saving operations and maintenance procedures.

- Duty cycling.
- HVAC startup times have been staggered reducing demand.
- Decreased the number of hours that the HVAC units run per day.
- Disconnected over-ride switches on HVAC units.
- Set night thermostats for 55°.
- Set day heating controls at 70°.
- Set day cooling controls at 76°.
- Installing lock boxes on night thermostats and troublesome day thermostats.
- Installing time clocks on hot water heaters.
- Decrease the number of hours that the hot water heaters operate per day.
- Shut hot water heaters off for the weekends and holidays.
- Lower hot water heater temperatures to 110°.
- Outside building lights and parking lot lights turned off when night custodians' shift ends, and off on weekends.
- Preventative maintenance program, to keep level of operating efficiency at a maximum.

These procedures were implemented throughout the district's eleven schools, 53 buildings - totaling 800,000 square feet.

This project could be used by virtually any energy consumer (residents, institutions, industry). Low cost/no cost O & M's require little or no cash outlay, only implementation of a program designed to maximize efficiency of operations. Information on this type of program is readily available from many sources.

- Local utilities.
- Local government.
- State government.
- Federal government.
- Research material.
- Experience of others in similar circumstances.

Any energy consumer using all or part of this type project will reduce energy consumption, benefitting by a reduction in dollars spent for energy without sacrificing comfort or productivity.

The 37% reduction in BTU's consumed, saved Battle Ground School District approximately \$192,000 in energy expenditures. Total dollars spent for parts and materials to accomplish the reduced consumption was approximately \$1,500 throughout the 1981-82 School Year. No outside funding (federal or otherwise) was sought or used to accomplish the energy reductions and savings in energy dollars expended.

ENERGY CONSERVATION EFFORTS DO PAY OFF!!



KLAS States Positions & Goals

As with most volunteer tasks, a sense of responsibility took control after I was asked to be a nominee for the Region Director position. I am convinced that I can do the job well, and excited about the possible accomplishments. The following qualifications should indicate that I can handle the details:

- C.S.I. member since 1974.
- Member of the Portland Chapter Board of Directors, Portland Chapter President and participant in various chapter committees.
- Chapter coordinator for two Institute seminars.
- Region Awards Chairman.
- I have the support of my firm, Richard C. Ehnann & Assoc., which has a long history of involvement with C.S.I.
- Eighteen years experience in smaller offices with a variety of work ranging from individual to national clients gives me a familiarity and vital interest in questions facing the Institute Board of Directors at this time.

Goals for representing the Northwest Region:

- I am most concerned about representing all the members in the Northwest, while cooperating with the Institute Board of Directors, Officers and staff. I seek what the Institute can offer us in the Northwest that will interest us enough to work for Institute goals.
- I will ask people from each chapter to act as advisors, informing me of the concerns and opinions from their chapter.
- My location makes it possible for me to visit more chapters frequently, to be informed by direct input, and to provide a more effective link between members and the Institute offices by making personal reports.

Hopes for the Northwest Region:

- We should complete the efforts to establish a chapter in Montana.
- To make an effective team, our increase in membership must include more owners, developers, contractors and construction financiers.



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
5:30 p.m., The Westin Benson
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

Monterey, California
1985 Tri-Region Conference

- Successes and problems of chapters in the Region could be shared on an individual basis throughout the year. A wider circulation of chapter officer and committee chairman rosters, and newsletters will facilitate this.
- Region chapters should work together on common problems. An example might be prequalification of subcontractors and suppliers.
- Our unique leadership development and training program can be improved by emphasizing the attendance of more officers and committee chairmen to the conferences. Handout and outlines will facilitate getting roundtable information back to the chapters.
- All the above will result in a broader, and more committed membership which will maintain our organization as a vital meeting ground of the Construction Industry.

The function of a Region Director is to represent the members throughout the Region. In an area as large as ours, I believe this can be accomplished best by having the two Directors from two different chapters. When the ballots are mailed in February, your vote is essential for effective representation of your interests. Please vote me the privilege of serving with Dave Thomas from Puget Sound as your Region Director.

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 \$45.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Northwest Region has prepaid \$5 for each attendee to hold space for 120 people from this region.

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.

VOTE

CSI Board of Directors Meeting, December 4, 1984 at the Builder's Exchange, Portland, Oregon

PRESENT: Jacques, Luey, Jones, Barker, Seeley, Hirte, Townsend, Woods, Bellwood, Ross, Davidson, Vrla, Largent, Akeson, Klas, Obert, Gira.

Meeting was called to order at 12:10. Minutes of previous meeting were read and approved.

Treasurer's report was approved as read.

COMMITTEE REPORTS, PRODUCT FAIR

Nancy Carter of Bowler Assoc. and graphics artist Michael Kelly presented their version of a poster for the Products Fair. The Board's response was generally positive.

Hunt Jones reported on the Awards Committee meeting. Read two resolutions to be sent to CSI Headquarters. These resolutions were approved and will be mailed. (Ivan McCormick, Ben John Small Memorial Award and Mary Alice Hutchins, Honorary Membership in CSI.)

MEMBERSHIP

246 paid memberships.

PROGRAMS

Neal Jacques discussed January meeting on computer aided design.

PUBLICATIONS

Seeley mentioned that because of the holidays, the Predicator would be later than usual. Publicity Joe Woods distributed a flier r.e. Construction Profiles, New Product Profiles which will be a service of Contractor's Weekly. We are invited to submit bio's of products or people for publication.

TECHNICAL DOCUMENTS

Obert's TDC met on 11/19 and again 12/4. Members present, Candace Robertson, Dennet Latham, Greg Ross, Dennis Obert. Progress report. Updating CSI Technical Library; start computer committee for spec. writers; working of Div. 15, General Mechanical Provisions; update TAS 06125 WOOD DECKING; revising Section Format with Ken Searl.

PAST SERVICE RECORD

Ad Hoc Committees: Margie Largent wants to include number of people attending each Chapter meeting in the Predicator. Would also like a bio. for each member of the Board of Directors (for future reference, etc.).

REGION CONFERENCES PLANNING

Ken Searl has been appointed chairman of Tri-Region Conference Chapter Liason.

Meeting was adjourned at 1:15 p.m. Respectfully submitted, Inga Vrla, Chapter Secretary.

REGION DIRECTOR "CHAPTER SERVICE" AND TRIVIAL DATA By Margie Largent

Matching names, dates and jobs on a service chart, and documenting Chapter Service and Awards is very educational. I recommend it for each President-elect.

It is much easier to see where our chapter needs to be more visible and a lot more vocal. We've been coasting and some famous person (probably Ken Searl) once said, "The only way you can coast is downhill!"

Take the matter of Region Director - it has been 20 years since Portland has had a Professional Director (our only one) -- the second Region Director -- of eight.

Willamette Valley has had two,
Spokane has had two,
Puget Sound has had three,
Only Cook Inlet and Idaho have had fewer than Portland.

At the time Portland had a Region (12) Director, there was no Section Director. We were in the GREATER WESTERN SECTION served by a Denver man. In 1971 the NORTHWEST SECTION was formed, its boundaries coinciding with the then new REGION (9). (These were to become one - the NORTHWEST REGION - in 1978.)

Again, the first Section Director (1971) was from Puget Sound and, again, the second Section Director (1974) was from Portland, (again our only one and 10 years ago! - the second of six).

Spokane has had two,
Willamette Valley has had none,
Puget Sound has had two,
Cook Inlet and Idaho have had none.

The NORTHWEST REGION has a loose, unwritten concept of rotation of directors, (professional and industry now being of equal enfranchisement) to provide continuing and overlapping input and area representation from two separate chapters and/or states.

Of course it is not always possible to have qualified nominees available in exact rotation from chapter to chapter, but it is a worthwhile goal, so let's try.

December Meeting

On December 11, 1984, sixty six members and friends of Portland Chapter CSI gathered at the Westin Benson for a fascinating evening.

After a delicious dinner those attending saw a well done multi-media (2 slide projectors and sound) on the history of the Port of Portland from 1891 to the present time. I am not much of a Historian but I found the presentation very interesting and well done.

Dick Montgomery then discussed the various activities of the Port of Portland, including:

1. Marine Cargo - Unloading and loading ships at the various terminals.
2. Ship Repair - The huge dry dock at Swan Island.
3. Airport - The Portland International Airport is a major responsibility of the Port of Portland.
4. Land Development - The Port of Portland now has an Industrial Park on land that was created from dredging of the rivers to keep them navigatable.

The tempo of the evening then changed and Bob Barker played the piano while members of the Oregon Repertory Singers presented a program of Christmas Carols. CSI members and friends then got into the act with a Sing-a-long. The evening ended with drawings for door prizes. This year as last year the major door prizes were the table decorations, chocolates, wine and posters.

All in all a fun filled evening.

The current situation created by the Region Nominating Committee has the potential to have both the Industry Director and Professional Director from the same chapter! Two Directors from the same chapter is a redundancy we can ill afford -- (cost - benefit ratio).

The Region Directors are our Region's representation to the Institute Board -- surely we can arrange to have them represent two different chapters, if not two different states.

The Region Nominating Committees of the future need to avoid this situation. Nominating Committee Members must be chosen with care by

Continued on Page 5

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

Recently I attended a noon luncheon meeting hosted jointly by a national manufacturer and local firms. This meeting like a lot of other meetings I have attended was put on for the primary purpose of educating and promoting the sale of their products. I find no fault with this but there is one item I want to point out to all people who host these types of meetings and that is FOLLOW YOUR AGENDA ESPECIALLY TIMEWISE. First of all to do this start your meeting on time. If all the attendees have not yet arrived go ahead anyway. Keep in mind however, it is best to not darken the room and proceed to show slides or film immediately. Give the late rascals a fighting chance to find their seats with the lights still on.

It is suggested instructions are given in advance to speakers so they can employ plan B if necessary. Plan B being to revise, shorten or cut out certain sections of the program to keep within time allotted. Sometimes one has to play this by ear or I should say by eye. When a speaker sees the attendees squirming, eyes closed, snoring or getting up and leaving, it should be high time to revise speaking procedures. To maintain the full scheduled program agenda can be most unhelpful in the pursuit of convincing people to buy or specify their product. Please keep in mind that noon time attendees time is at a premium, they just don't feel like taking too much time away from work at this time of day.

Now, let me tell you about new roofing systems. As you may recall I have tried to get the code people to include new roofing systems in the latest codes but to date I have not had much success. I wrote the ICBO in Whittier, California and I did receive a lengthy letter in return telling me why the code did not list any new roofing systems and if I wanted to get it into future codes I could fill out some forms and present a request for consideration. These forms required much information and it just seemed to me they were just passing the buck back to me. Well, next I wrote the Oregon State Department of Commerce to see what they could do in this matter. I did receive a much shorter letter (Many Spec writers like short letters) and it appears one of the reasons no newer roofing systems are in existing codes is because there is no generic recognition currently in national standards for these systems. It appears however two organizations are currently working on such standards being the RMA and ASTM. This sounds good but how long will it take and will these organizations establish standards for all or most of the newer systems. It appears to me that nothing will get into codes until 1988 or later. Another item that bothers me is I am not aware of any national standards ever being established for built-up roofing and we have had that method for over 100 years. Also the letter from Oregon Department of Commerce closes by not encouraging me to propose an amendment since Oregon only has 1% of the

nation's population and a regulation adopted for Oregon would probably not influence the market.

One last item and that is don't forget to vote for Bob Klas, our own Portland Chapter CSI member running for Northwest Region Director. As soon as you get your ballot in the mail don't set it to one side, fill it out and mail it in at once.

Construction Products Display**Willamette Valley Chapter, CSI**

April 25, 1985
Eugene Conference Center/
Hilton Hotel

Willamette Valley Chapter of CSI is sponsoring a Construction Product Display on Thursday, April 25, 1985, from 11 a.m. to 7 p.m. in the Eugene Conference Center/Hilton Hotel. Participants may attend the chapter's April meeting immediately afterward, also in the Center.

Nearly 250 vendors already have been sent inquiries requesting expressions of interest; affirmative responses will bring a February mailing of exhibit reservations and contract forms.

This event is being designed as something substantially less than the fiercely-competitive, customized Product Fairs that are fixtures at national conventions, yet a bit more than your modest, everyday Table Top exhibits. If you can do that in a standardized, curtained-off 10 ft. x 10 ft. space, this happening ought to suit.

Commitments to display are crucial to event organizers, since one of their planning goals is to have each of CSI's 16 Divisions represented.

Willamette Valley chapter members, of course, will urge display attendance by construction industry persons, including architects, engineers, general and sub-contractors, and construction managers; but they also will press energetically for attendance by those who represent building owners, including institutional facilities planners, managers, and maintenance supervisors, plus industrial and institutional purchasing agents. See you on April 25 next.

Editor's Note:

As a member of the W.V. Chapter Planning Committee for the above, I can assure you that every effort is being used to make this a worthwhile show from all aspects.

VOTE

Open House

III Investment, Inc. cordially invites C.S.I. members to attend their open house in celebration of the completion of their new office and warehouse space.

Date: Friday, January 25, 1984
Time: 3:00 p.m.
Place: 6775 S.W. 111th
Beaverton, Oregon
RSVP: To Don Walton, 643-9491

President Changes Name

No, we don't have a new president. She is the same one that smiles that sweet winning smile while politely wondering if there might be a "better way".

What she did do was change her name to Mrs. Betty Bellwood. The Portland Chapter of CSI welcomes Mr. Ray Bellwood to our meetings and asks all our readers to join us in wishing two of the nicest people anywhere a happy and prosperous life together.

Continued from Page 4

the chapters. They would have sufficient experience and tenure in Chapter and Region affairs to be able to function prudently in selecting region nominees.

"Ye olde Portland Chapter Service Chart" will be a graphic aid for our future chapter leaders to keep Portland visible and vocal...but. Right now we are not only due for a Region Director but we have a highly qualified nominee. Don't fail to vote for Bob Klas -- for Portland and for Oregon! -- and for a stronger NORTHWEST REGION of CSI!

TRIVIA TIME

Of the 36 Director-Years (something like Light-Years-1962-1984).

Portland had 6 for 17%
Puget Sound had 13 for 36%
Spokane had 11 for 30%
Willamette Valley had 6 for 17%
Cook Inlet and Idaho had 0.

Let's VOTE FOR KLAS! and let's remember Cook Inlet and Idaho next time...HEAR?

P.S. Keep checking those charts and computer print-outs for chapter service corrections and additions.

Margie Largent, Chapter Service Committee

Portland Chapter Leaders, 1984-85

President Betty Sherman Bellwood
231-5000, Ext. 755

President Elect
Marqie Larqent 636-6977

Secretary Inqa Vrla 635-6227

Treasurer Jim Davidson 226-3508

Board of Directors

Greg Ross (1985) 643-6761
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Technical Documents,
Dennis Obert 245-7802
Editor, Les Seeley 287-7135
Awards, Don Walton 643-9491
Hospitality, Mark Carpenter 626-6400
Publicity, Joe Woods 232-4000
Membership, Lee Kilbourn 224-3860

Region Responsibilities

Portland Chapter Members

Region Technical Chairman
Ivan McCormick 226-1431

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 223-8590

Region Directors

Arthur A. Nordling 509-838-8681
c/o Walker McGough Poltz Lverla
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

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When You Cut Prices:	AT 25% GROSS PROFIT:
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10%	You Must Handle 66% More Merchandise You Must Do 50% More Dollar Volume
12%	You Must Handle 92% More Merchandise You Must Do 69% More Dollar Volume
15%	You Must Handle 150% More Merchandise You Must Do 112% More Dollar Volume
20%	You Must Handle 400% More Merchandise You Must Do 300% More Dollar Volume

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JAN 9
PM
1985
OPEN

The Predicator

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

Address Correction Requested

Robert R. Klas
R.C. Ehmann & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005

VOTE

THE PREDICATOR



Vol. 24

No. 6

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

February 1985

President's Corner

by Betty Bellwood



Looking Back While Looking Ahead

They were right--the ones who twisted my arm last year and said "being chapter president will be a growing experience." It is that. And thanks to a lot of dedicated members who do most of the work, the load is not all that heavy. I have to find considerable time for it; I will not mislead you about that, but I think I spent more total time the year I was treasurer--work done behind the scenes.

Having served as nominations chairperson, I had two related goals for this year. The first was to compile a past service record so it would be available to the nominations committee. Thanks to many, many hours devoted to this project by Margie Largent, the past service record will be included in this year's revision of the Directory. Full development of this record will be ongoing. Each year it will become more nearly complete. Everybody's input is solicited--please help Margie fill the holes.

The second goal was to revise the qualifications in our chapter Bylaws for nomination to president elect. Thanks to Dennet Latham, his committee, and the membership, the Bylaws revision was approved.

Now, I would like to see two or three names on the ballot for president elect! The rewards are great; it should be a very coveted position. So, when this year's nominations chairperson, Dick Gira,

February Program

DR. BILL REID will be our speaker this month. He is a consultant in personal communications specializing in social and business communications. Dr. Reid holds a PhD in Educational Administration and a Master's Degree in Adult Psychology. See additional details page 5 "Critical Thinking."

Date: Tuesday February 12, 1985
Place: Westin Benson
Time: 5:30 - 6:30 Social
6:30 - 7:30 Dinner (\$12.00)
7:30 - 9:00 Program

For reservations, it would be best to call 238-1462 by Noon Friday, February 8, 1985. If on Monday morning you've just remembered, it won't be too late (if by noon).

Parking is free! Enter the parking facility on S. W. Broadway near Stark (under the Bank of California building). There is an underground passage to the Westin Benson. Bring your parking ticket to the meeting and it will be validated.

Dinner Cost Increase

Be sure to ask your spouse or favorite companion for an extra couple of dollars for dinner. Our hosts at the Westin Benson held their price as long as they could but our price will be \$12.00 per dinner as of this February meeting.

VOTE

The above space was left open so you could fill in your own rhetoric instead of reading ideas from someone else. Just be sure to vote for the candidates of your choice.

gives you a call. . . sure, your first, second, and third thoughts will be "I don't have time." I felt the same way, but every single thing we do is a matter of choosing how we will spend our time. Opportunity is often hidden behind a lot of work! Don't pass up an opportunity to further your career while helping your organization. I recommend the experience.

Coming Attractions

Don't forget to bring your favorite Valentine to the February meeting.

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

June 11, 1985
Annual Fun Night & Awards



Combine business and pleasure in Orlando, Florida at the 29th Annual CSI Convention/Exhibit. This outstanding event with over 36 technical sessions and the magnificent array of construction products in 682 booths.

For family fun, Walt Disney World/Epcot Center is right next door. Plan now to make a definite date of June 21-23, 1985 to attend the CSI convention.

BS by KS

Basic Specs by Ken Searl

As some of you may know I take a keen interest in Finish Hardware and one thing I've had problems with over the years is keying, especially in regards to security keying. Key control has been a problem for Owners and Architects due to the many key duplications and cross-keying after a keying system is established. Construction keying during building or remodeling can also become a problem. Construction locksets and keying are many times specified at additional cost to the Owner and in many cases does not do what was intended particularly if it is a remodel project. It is much easier than you think to get a key duplicated even if it is marked "DO NOT DUPLICATE".

A big item with most keying systems is they are not versatile enough, either from a security standpoint or how many key changes are available. In the normal 5 or 6 pin tumbler lockset there are from a low of approximately 1,000 key changes to as high as 20,000. This sounds like it should be adequate and it can be as long as cross-keying doesn't enter into the picture. As soon as old Joe on the 2nd floor wants his office key to not only operate his office door and the front door of the building plus old Tom's office on the third floor then what appeared to be a good key change amount is all shot to smithereens. Add all this to the fact both old Joe and old Tom can go most anywhere and get a key duplicated.

There are some security systems out there that can give much greater versatility and security and still allow lots of cross-keying plus duplication becomes very difficult.

There are several systems available and the one I like the best is a system manufactured by Medeco Security Locks Inc. Medeco is a system with the keys cut both angled and straight which gives up to 24 million possible key changes. It is noted that Medeco security cylinders are available for most any major brand locksets by merely specifying Medeco. Key duplication is solved when Medeco level III or IV is a requirement. Only those locksmiths approved by Medeco have access to key blanks plus special key cutting machines are required. Cylinders and keys can only be supplied to an Owner by signature cards when the keying system is established. Only those signatures on the cards can have keys cut or cylinders pinned.

Construction keying is much less of a problem because the Owner can issue temporary keys to authorized construction personnel and not have

to worry about key duplication. It is noted that Medeco has taken steps in Federal Court to successfully prohibit key blanks being either sold or manufactured by other firms. Authorized dealers for level III or IV have to account to the Medeco people for all key blanks delivered.

Existing systems can take advantage of Medeco security by converting exterior doors only, costwise being very reasonable. Interior doors can be done later as budget permits. I have been told that Medeco systems are at the White House, Fort Knox and many other Government buildings. Yes, we do have our own office equipped with Level III. Costwise the installation of a Medeco system is very reasonable and shouldn't strain a budget to any extent. If you would like any additional info on Medeco give me a shout.

AWCI Schedules

Asbestos Abatement Courses

The Association of Wall and Ceiling Industries International has scheduled a second series of asbestos abatement training courses. The 2-1/2 day courses cover all aspects of asbestos abatement, from discovery to elimination. An optional exam is available for those interested in certification for prequalification. The courses will be offered Jan. 14-16, San Diego, CA; April 8-10, Kansas City, MO; and May 13-15, Washington, DC. The registration fee is \$475 (\$525 with the optional exam) and includes all workbook materials, lunch, and refreshment breaks on both days. For information and/or registration, contact AWCI, Technical Department-Asbestos, 25 K St., NE, Washington, DC 20002. Phone (202) 783-2924.

- Walls & Ceilings, 10/84

Tax Changes Affect

Rehabilitation

The Tax Reform Act of 1984 has altered the test for qualifying a structure for rehabilitation tax credits. Previously, the law required that 75% of the external walls of the building be retained after completion of the renovation. The new law states that at least 50% of the external walls must be retained in place as external walls. At least 75% of the external walls

must be retained in place as either external or internal walls, and at least 75% of the building's internal structural framework must be retained.

-The Profit Center, 11/84

Choose Single-Ply

Roofing Systems

Carefully

Single-ply membranes can offer advantages over built-up roofing systems. Single-ply systems usually involve less time for labor. They can be installed under a wider variety of weather conditions than built-up roof systems. They can be applied over old roof systems.

Many single-ply roofing materials and systems are so new they have no proven track record. Haphazard selections can lead to problems. Hence, here's a list for consideration when choosing a single-ply roofing system:

1. Requirements of the Roof Environment -- Air temperature extremes, ultraviolet exposure, contaminants, roof traffic, and general use of the building.
2. Chemical and Physical Properties of the Membrane -- Thickness, tensile strength, elongation, low temperature flexibility, heat aging, dimensional stability, ozone resistance, tear resistance, factory seams, and water resistance.
3. Methods of Application -- Loose laid (membrane loose laid over insulation that is loose laid on structural roof deck); partially attached (the sheet is spot fastened to insulation system that has been fastened to structural roof deck); totally adhered (membrane adhered to insulation, which is adhered to roof deck); or protected membrane roof assembly (ballast is loose laid over insulation, which is loose laid over membrane).
4. Repair Capabilities, Flashing, Edge, and Protection Details of the System.
5. Guarantees or Warranties -- Most single-ply systems offer 10-year guarantees. However, consult with your attorney about all warranty matters, and provide full-time observation of the roofing work to enforce specifications.
6. Costs -- The price of the single-ply membrane is only a fraction of what the roof will cost. Include labor, cost to tear off old roof, insulation, method of attachment, slip sheet, and fire rating.

- Building, Fall 1984

Daily Job-Site Reports

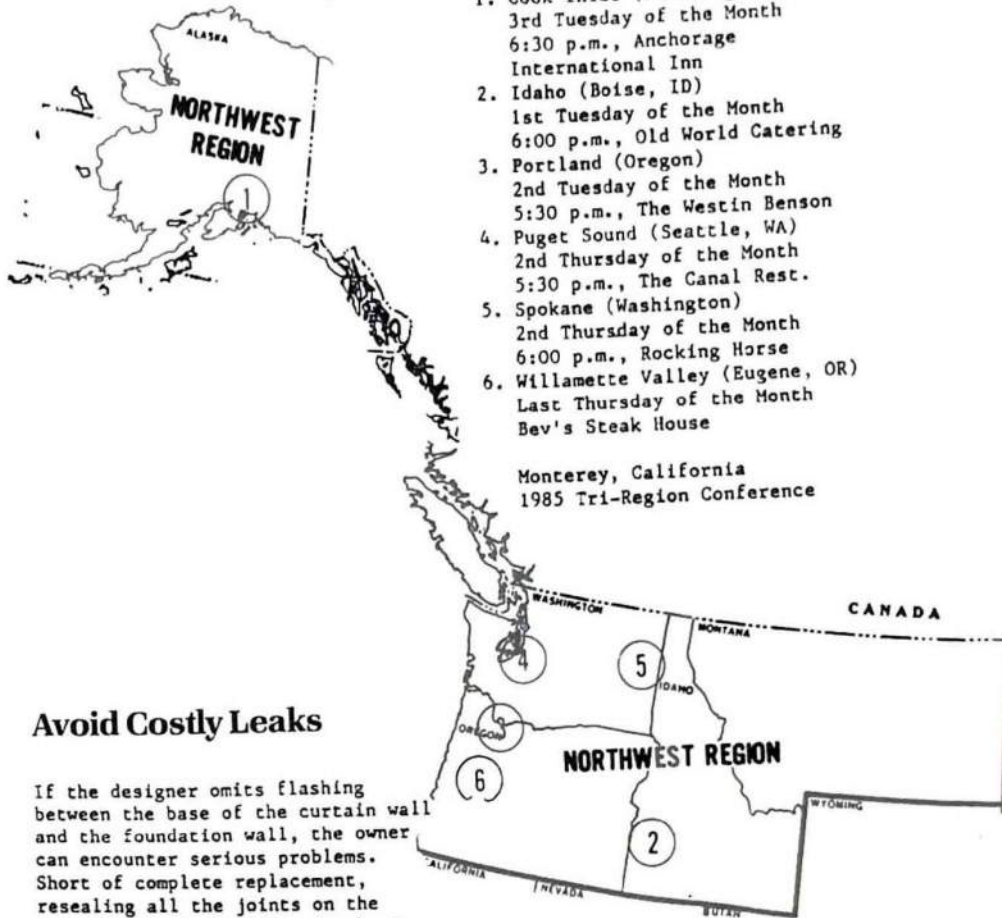
Accurate and informative daily reports from inspectors and field engineers are often the key to avoiding or expeditiously resolving a claim or contract dispute. Every daily report should contain the page number, day and date, as well as the following items:

1. Daily temperature at the beginning of the workday, at noon, and at the end of the day. Temperature can affect paving, pouring concrete, painting and many finishing activities. Records of ranges can also help identify a possible future defect.
2. Weather conditions should be noted at the same intervals as the temperature and should be expressed in professional terms — for instance, "sunny and clear, slight breeze" or "steady rain with occasional downpours."
3. Job number and title.
4. Note the number of workers by trade and the amount and types of equipment on the site, including downtime. Also record deliveries of critical or major pieces of material and equipment.
5. Names, affiliations, and purpose of job-site visitors.
6. A narrative summary of the day's activities, including everything and anything significant. Any details that identify the actual progress should be recorded, as well as any problems or exceptional progress. Note and summarize any important telephone conversations.
7. Photographs should be taken of the job in general, any particular problem areas, items requiring intricate craftsmanship, and anything else of interest. They should be dated and identified with a brief description of the subject matter.
8. The report must be signed.

To gather this information, you might want to carry a pocket-sized tape recorder or a surveyor's field book. The daily report should polish and summarize the notes taken during the day.

- The Military Engineer, 9/84

VOTE



Avoid Costly Leaks

If the designer omits flashing between the base of the curtain wall and the foundation wall, the owner can encounter serious problems. Short of complete replacement, resealing all the joints on the exterior of the building is about the only thing that can be tried.

Failure to provide reliably performing wall systems results in enormous economic waste. Water leakage can cause extensive damage. Often attempts to repair the leaks are futile, especially if basic flaws exist in the design, fabrication, or installation of the wall.

Properly designed and installed flashing can prevent many of these problems from ever developing. In metal curtain walls with units running from floor to floor, flashing should be installed at each floor. In units that span two floors, flashing should be placed in the horizontal joints at every second floor.

Flashing should always be used between the base of the metal curtainwall and any concrete or masonry wall on which it rests. Install corner flashings with particular care to ensure that they maintain their integrity. Depending on the design, flashings can be fairly attractive extruded sections of the wall framing system.

- Glass Digest, 9/15/84

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
5:30 p.m., The Westin Benson
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

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 \$45.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Northwest Region has prepaid \$5 for each attendee to hold space for 120 people from this region.

Details

For more detailed information, call our Portland Chapter Liason, (Ken Searl) at 223-1181.

CSI Board Of Directors Meeting

January 2, 1985 at The Builders Exchange, Portland, Oregon.

PRESENT: Barker, Latham, McCormick, Hirte, Luey, Gira, Vrla, Largent, Townsend, Walton, Obert, Davidson, Bellwood, Jacques, Seeley.

Meeting was called to order by President Betty Bellwood at 12:10 p.m. The treasurer's report was read and approved. Balance of \$17,564.67. The minutes of the previous meeting were read and approved.

Walton gave his report on the Awards committee. After considerable discussion, the Board decided to forward a regional nomination for award from M. A. Hutchins in lieu of the previously announced national award nomination. Secretary and President were instructed to draft a letter to the National Headquarters to withdraw the nomination for the national award. Secretary Vrla mentioned that she needed copies of 6 issues of The Predicator to send to the National Headquarters with the nomination for the Newsletter award.

McCormick reported on seminars planned for the coming year, the latest being on Tuesday, January 8. Nineteen reservations so far. Bill Merritt is the presenter.

Membership, two new members. A short discussion by the Board about having a membership drive.

Jacques report on Programs, including the latest on computer aided design. He also discussed chartering the Sternwheeler for the June meeting.

Barker and Townsend reported on progress of the Products Fair. They showed a new floor plan of the Coliseum and also mentioned free parking. First mailing is going to exhibitors next week. They also met with people from IBD, ASID, and Cushman Wakefield to determine how to get people to the fair.

Seeley asked that all articles for publication in The Predicator be sent to him instead of the various destinations to which they have been going.

Woods called in his report, and stated that a regular press release would be out that afternoon.

Obert reported on Technical Documents Committee meeting 12/19/84, next meeting 1/16/85; discussed section format revision MP 2-2, list of documents to purchase

(8 page list), spec. computer committee to help each other in this area.

AD HOC COMMITTEES

Largent on Past Service Records. Distributed rough copies of informational questionnaire to the past presidents present at the board meeting.

ByLaws committee chairman read letter from J. Talbott regarding his opinion on the proposed ByLaw change. Membership will vote on change on January 8 at regular meeting.

Jimmy Luey will request board members to "volunteer" as callers to get out the vote for the this year's election of Region Director.

No old business.

Under new business, there is a possibility that the Benson is asking for an increase in the cost of dinner. Price will be confirmed this week.

Meeting adjourned at 1:10 p.m.

Respectfully submitted, Inga Vrla, Secretary, Portland Chapter, CSI.

January Meeting

Sixty eight people attended the January meeting of the Portland Chapter of CSI. Jimmy Luey began the program portion of the evening by discussing Bob Klas's candidacy for Region Director.

The second item on the agenda was the fact that the Benson Hotel has increased the cost of dinner from \$10 to \$15. CSI is trying to keep the cost at \$12 until May. A show of hands seemed to indicate that people would still come if the price of dinner was \$12.

A Proposed ByLaw Change was provided each member. It states:

"Nominees for office of President-elect shall be chapter members in good standing and shall be serving or have served on the Board of Directors or as chairperson of a chapter standing committee for at least one year to be eligible for nomination. All nominations shall be reviewed by the chapter nominations committee."

Robert Strickler moved and Pat O'Brien seconded that the proposed revision to Chapter's ByLaws be accepted. The motion passed.

Inga Vrla, as Chapter Secretary read a motion nominating Dick Gira for the Robert P. Brosseau Memorial Award.

The Predicator has been nominated for Chapter Newsletter Award.

Ken Searl volunteered to help anyone wanting to learn WordStar. Ken also asked that Portland Chapter members think about attending the Region Conference at Astilomar. A couple of buttons advertising the Region Conference were noted.

Neal Jacques then introduced the two speakers, Eugene Clift of Custom Cabinetry and Grigsby Christopher of Brun, Moreland, Christopher, Architects. Both speakers discussed the use of computer for drafting and design. Their presentations were from two different points of view

1. Using the computer to prepare working drawings for construction to a client's specifications
2. Using the computer to design and plan to solve a client's problem and then create the drawings that will in fact solve a client's problem and that can be used for construction.

The net effect of the presentation was that computers are tools that will do what they are programmed to do very accurately and rapidly. They are not human and need to be given detailed instructions in order to prepare detailed results.

All and all a fascinating discussion and one that really showed what direction the Construction Industry seems to be headed.

Contest

The editorial staff of the Predicator invites all Portland chapter members to submit an article for publication in the May issue of the Predicator. Rules are simple. Articles must be typed, single spaced and contain enough subject matter to fill a minimum of two and maximum of three columns (reduced size). Subject matter must address the issue of "How the Construction Industry Has Changed In The Last Ten Years," and must be original material.

All entries will be judged by a committee representing all facets of our membership.

The author will receive dinner for two at the May, 1985 meeting and their article will be published in the May or June issue.

Sharpen up your pencils and writing skills and send all articles to: Editor, The Predicator, 1125 S.E. Madison, #200, Portland, Oregon 97214.

Leaky Roofs = Porous Agreements

Insurance companies are experiencing increased claims against engineers for "inspection of private residences and commercial properties", usually held on behalf of the prospective purchaser to determine structural soundness. In one situation, an engineer inspected a private residence and reported it structurally sound. Shortly after the residence was purchased, extensive rain storms caused flooding in the basement, which damaged stored furniture and other property. The new owner sued the seller for fraud and negligent misrepresentation and also filed a cross complaint against the structural engineer. Although the engineer was hired to determine "structural soundness", the claim stated that the engineer was negligent in not performing a "thorough enough inspection" and that the engineer "should have seen" that the basement walls weren't watertight. The judge awarded the plaintiff/buyer \$8,187 of which the engineer was ordered to pay \$2,214. Defense of the case cost the engineer an additional \$2,228. The original inspection fee was \$115.74.

Subject to the advice of an attorney familiar with appropriate state laws, the engineer might add the following statements to the report: "This inspection consisted of visual observation only, made solely to determine the structural integrity of the described building. Neither the inspection nor this report is intended to cover mechanical, electrical, or architectural features."

- Communique, 10/84

Public Works

Legislation Passed

The Public Works Improvement Act of 1984, passed by the 98th Congress, establishes a National Council on Public Works Improvement and requires the President in his annual budget to provide a detailed analysis of current and projected federal capital investments. The council will consist of five individuals knowledgeable in public works and public finance. Three will be appointed by the President and one each by the House and Senate. The council will develop uniform criteria for use by all levels of government in assessing the condition of existing public works and in determining future needs. The capital investment provision of the new law constitutes as first step in creating a federal capital budget.

- APWA Reporter, 11/84

Cogeneration To Expand To Hospitals, Schools

A new study by New York-based business researchers Frost & Sullivan predicts that cogeneration - producing heat along with electricity - will be used by many schools, hospitals, and office buildings by 1990. Cogeneration's spread beyond the factory will be inspired by a second generation of low-cost packaged systems now coming into the marketplace. These new packages consist of an assemblage of prime-mover, electrical generator, heat recovery equipment, controls, foundation, and enclosure - all factory assembled and tested as a unit prior to shipping. The report, "The Packaged Cogeneration Systems Market in the U.S.", forecast cumulative sales of \$14.5 billion (in 1983 dollars) by the year 2000.

-Electrical Contractor, 9/84

It Pays To Verify Employees' Credentials

A Texas engineering firm recently paid a search service \$11,400 for finding a graduate engineer. When managers realized the new "engineer" could not perform job duties, the firm required the employee to sign a request for college transcript. These records showed the new hire had not obtained a degree. The engineering firm sued the search group and won the original fee plus a \$2,000 penalty. The court held that because the search firm professed to supply a graduate engineer, failure to do so breached the implied warranty. Save time, effort, and hassles by first checking degrees and registrations of new employees.

- The Last Word, 11/16/84.

Opportunity... 2nd Notice

Your Products Fair Committee is offering a great opportunity to advertise your support for this year's Product Fair.

Do not overlook this chance to be at the forefront of exposure. This is going to be a great Products Fair and should be very well attended.

For more information, call:

John Barker 231-9198
Bruce Townsend 232-9020

Free beverage of choice to the first CSI member attending our February meeting that can correctly identify which famous American author said "When I was younger, I could remember anything, whether it happened or not."

VOTE

Critical Thinking

Continued from Page 1

CRITICAL THINKING will be the topic of discussion, defined as "The ability to break away from the cultural, social and, economic influences on your thought process to achieve a better answer."

Our program chairman further defines the above as being able to better understand another person's position resulting in a more mutually beneficial communication.

Let's VOTE FOR KLAS! and let's remember Cook Inlet and Idaho next time. . . Hear?

P.S. Keep checking those charts and computer print-outs for chapter service corrections and additions.

Margie Largent, Chapter Service Committee

Portland Chapter Leaders, 1984-85

President	Betty Sherman Bellwood	231-5000, Ext. 755
President Elect	Margie Largent	636-6977
Secretary	Inga Vrla	635-6227
Treasurer	Jim Davidson	226-3508

Board of Directors

Greg Ross (1985)	643-6761
John Barker (1985)	231-9118
Karen Akeson (1985)	242-9053
Dennet Latham (1986)	222-1917
J. Min Luey (1986)	228-9468
Jim Hirte (1986)	244-0843
1983-84 President	
Dick Gira	224-8226

Committee Leaders

Products Fair,	
Bruce Townsend	232-9020
John Barker	231-9118
Program, Neal Jacques	629-9806
Education, Ivan McCormick	226-1431
Technical Documents,	
Dennis Obert	245-7802
Editor, Les Seeley	287-7135
Awards, Don Walton	643-9491
Hospitality, Mark Carpenter	626-6400
Publicity, Joe Woods	232-4000
Membership, Lee Kilbourn	224-3860

Region Responsibilities

Portland Chapter Members

Region Technical Chairman	
Ivan McCormick	226-1431
CSI Appointee to American Arbitration Association Regional Construction Industry Advisory Committee:	
Bill Merritt	223-8590

Region Directors

Arthur A. Nordling	509-838-8681
c/o Walker McGough Foltz Lverla	
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	

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, Feb. 5, 1985
CSI Office - Room 200
1125 S. E. Madison

Fillosoficull Nonsense & Stuff

Capsule Course In Human Relations

5 most important words: I am proud of you.
4 most important words: What is your opinion?
3 most important words: If you please.
2 most important words: Thank you.
Least important Word: I.

When you climb the ladder of success, be careful
to see that it isn't against the wrong wall.

Seventeen Secrets To Success

- * Keep your temper to yourself.
- * Give your enthusiasm to everybody.
- * Be yourself, forget yourself, become genuinely interested in others.
- * Be fair, honest, friendly - and you'll be admired and liked.
- * Make other people feel important.
- * Count your assets and stamp out self-pity.
- * Meet the other person at his/her own level.
- * Put your smile power to work.
- * Keep moving.
- * Keep trying.
- * Give the gift of heart.
- * Get off to a good start in anything you do.
- * Forgive yourself if you fail.
- * Be lavish with kindness.
- * Overwhelm people with your charm, not your power.
- * Keep your promises.
- * Be an optimist.

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The Predicator

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

Address Correction Requested

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Robert R. Klas
R.C. Ehmann & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005

THE PREDICATOR



Vol. 24 No. 7

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

March 1985

President's Corner

by Betty Bellwood



Listening

Because communicating in so many ways is vital to every walk in life, I want to share some thoughts on an important way in which we all communicate--simply by "listening."

On the average, 45 percent of our time is spent listening. We spend years refining our skills in writing and reading. Little emphasis is placed on speaking. Almost no attention has been given to the skill of listening. I remember being told to "Pay attention," "Get this," or "Open your ears," but that's about all.

One of the most complex and difficult areas of communication is learning to grasp what is said. When you are able to capture the critical content of spoken statements, you assess situations more accurately. You are seen as a person who considers what others say. In short, when you really listen, you are a more effective communicator.

Many times less writing and more speaking would be advisable--if we could be assured of good listening.

Webster's defines "listening" as "hearing with thoughtful attention." It's difficult to keep from listening, but it takes experience, training, and effort to listen well. Good listeners engage in mental activities which tend to direct a maximum amount of thought to the message being received leaving a minimum amount of time for mental excursions.

March Meeting CSI Program

Mr. Jerry Barbera, the Regional Manager of ICBO office (Bellevue, WA), will discuss:

Development
Implementation
Revisions

of the Uniform Building Codes, and the anticipated changes in the 1985 UBC.

DATE: Tuesday, March 12, 1985
PLACE: Westin Benson
TIMES: 5:30 - 6:30 Social
6:30 - 7:30 Dinner (\$12)
7:30 - 9:00 Program

For reservations, it would be best to call 238-1462 by Noon, Friday, March 8, 1985. If on Monday morning you've just remembered, it won't be too late (if by noon).

Parking is free! Enter the parking facility on S. W. Broadway near Stark (under the Bank of California building). There is an underground passage to the Westin Benson. Bring your parking "ticket" to the meeting and it will be validated.

Master Format Available

Just a short reminder that CSI Masterformat is available at the CSI office. Your cost for the MasterFormat includes no profit for the Chapter. Only actual cost and handling. For more information call Jane or Nicki 238-1462.

The listener thinks ahead of the talker, trying to anticipate what the talker is leading to and what conclusions will be drawn.

The listener weighs the evidence used by the talker to support the points he/she makes.

The listener reviews and mentally summarizes.

The speed at which we think compared to that at which people talk allows plenty of time to accomplish all these mental tasks--when we really listen.

The listener also perceives meaning that is not put into words--facial expressions, gestures, tone of voice--to see if they add meaning to the spoken words.

Sometimes we speak without words. Sometimes we listen with our heart.

Coming Attractions

Mar. 12, 1985
Uniform Building Code '85

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

June 11, 1985
Annual Fun Night & Awards

THANKS FOR VOTING

Code Administrators Discuss Closer Cooperation

Members of the executive committees of Building Officials and Code Administrators International (BOCA), International Conference of Building Officials (ICBO), the Southern Building Code Congress International (SBCCI), and the National Conference of States on Building Codes and Standards (NCSBCS) have agreed to study ways to coordinate more closely their education and training programs and to initiate projects to enhance the professional qualifications of state and local building code and enforcement personnel.

The groups have also discussed ways to coordinate responses to proposed federal legislation and regulations, enhance communications between states and model code organizations, and seek other areas of mutual support and cooperation.

Products Fair Update

Products Fair '85 is shaping up to be the best one ever. Response to booth sales has been positive and includes a great variety of products and services. This year's show has some new and interesting features including a "new face" (see the reduced size poster in this issue).

Continued on Page 5

BS by KS

Basic Specs by Ken Searl

In the February issue of the CSI Newsdigest a front page article entitled "...Task Force Moves to Update CSI Spec Competition"... states that a committee appointed by President Terry M. Wadsworth has submitted recommendations to the Board for revising the rules and judging procedures to revitalize the CSI annual specifications competition and reverse the six year downward trend in annual entries. The committee came up with several recommendations and in general I agree with most of them. However I cannot accept the recommendation that requires entries to be by the firm, not the individual, having the primary responsibility for the preparation of the entry.

I disagree strongly on this. I do believe the firm should be listed on both the entry and the award but for the CSI an organization that since its inception has stressed and insisted memberships are for individuals and not for firms, this recommendation seems completely incongruous to me.

If a firm employs a spec writer or one of the members of the firm has primary responsibility to do the specs, it seems that this should be classified as an individual effort even if that individual may have some assistance in the preparation of the specs. It must also be asked where does a specification consultant fit into this picture? It seems to me this person or persons certainly should be classified as the one who holds the primary responsibility. I cannot buy making the spec awards out to a firm. After all the CSI is definitely an organization of and for individuals and I hope it remains that way.

Now as to some of the other listed recommendations. One recommends a standing committee be appointed consisting of highly recognized and creditable members of CSI to perform the final judging. I agree with this only if they appoint some contractors and suppliers as part of this committee. It has been my feeling for years that many CSI specs are written more for the writer and CSI than for the contractors and suppliers. There are still too many confusing, ambiguous and just too wordy specs out there. My main complaint is the way many specs emphasize and overload Division One. I am sure the original developers of the 16 Division format never intended Division One to turn out the way it has. I also feel the CSI Masterformat should be used as a guide and not as the Gospel.

In closing I want to point out that a reduction of spec entries is probably a normal happening due to several

things. One is with the advent of CSI making the scene, specs were brought out of a confused and disorganized state to the uniformity it enjoys today. The other reason may be that the need to enter the spec awards is less important today largely due to the CCS program.

Yes, I do feel the time has arrived to make some changes is here but don't throw out the baby with the bath water.

CSI Board Of Directors Meeting

February 5, 1985 at the Builders Exchange, Portland, Oregon

Present: Jacques, Ross, Seeley, Klas, Gira, Woods, Barker, Townsend, Davidson, Bellwood, Vrla, Largent, Latham, Kilbourn, Luey, Akeson, Obert.

Minutes of previous meeting were read and approved.

Treasurer's report read and approved. Chapter dues are not expected to be increased for 1986. Motion passed to set Associate member dues at \$20.00 per year. Portland Chapter CSI will continue using its own postal permit.

Education: Jolie Stricklin will conduct the next committee meeting February 7, 1985.

Hospitality: Betty Bellwood confirmed that dinner costs will be \$12.00 per person through May 1985 and then we will re-negotiate with Westin-Benson.

Programs: Neal Jacques reported that Jerry Barbera of ICBO would be our March speaker.

Products Fair: Barker and Townsend reported that booth sales and sponsorships of our Products Fair is going well. They have a Public Relations luncheon scheduled in the month of February to promote the show.

Publications: Seeley mentioned that Ken Searl may retire next year and that the chapter should be considering another feature writer in the event Ken's column is not available.

Technical Documents: Dennis Obert reminded all that their next committee meeting would be held on February 21, 1985.

Ad Hoc Committees: Bellwood thanked Dennet Latham for his efforts in writing by-laws revisions.

Largent asked for continued cooperation in returning chapter service record forms to her.

J. Min Luey reported on efforts to encourage a large informed turnout to vote in the CSI elections.

Dick Gira discussed chapter officer nominations.

Betty Bellwood asked that standing committee chairmen prepare a short summary of their activities for this year. This will be published in the May issue of The Predicator so she needs the article by April 1, 1985.

No further business - Meeting adjourned at 1:15 P.M.

Respectfully submitted,

Inga Vrla, Secretary

February CSI Meeting

Sixty-four CSI members and friends listened to Dr. Bill Reid discuss Critical Thinking on February 12, 1985. Dr. Reid began with an interesting statement that I have often thought but never heard.

Universal consensus doesn't mean something is reality.

In short, just because "everybody" thinks something is so doesn't make it so.

We have created our own world of reality and reality is what we believe happens or exists whether in fact it does or not. People live in a mind construct and we break out of it using various techniques.

1. Serendipity - creativity comes to the prepared mind - if you are not open to a new thought - you won't get a new thought.

2. Visualization - try to visualize what you want to have happen and it will happen.

3. Dreams - go to sleep with a problem and you may sometimes wake up with the solution - your subconscious works on problems while you sleep.

Dr. Reid then finished with a poem "Of the road not taken" by Robert Frost. I have heard that quoted at scientific meetings before. You always wonder what would have happened if you had followed another line of research. What would you have discovered?

A really fascinating and thought provoking meeting - I came away refreshed and inspired.

Should Portland Chapter pay dues for long-time Members entering retirement?

Lee Kilbourn has made a proposal concerning active members entering retirement for consideration at Portland Chapter CSI Board Meeting March 5, 1985.

"Upon request to the Board by Professional or Industry members who have been in good standing in the chapter for the past ten consecutive years and desire retired member status (according to Institute Bylaws "no longer engaged in income-producing activities"), Portland Chapter will pay their Institute dues (presently \$20). The request must be made within a year following their last anniversary date as a Professional or Industry member."

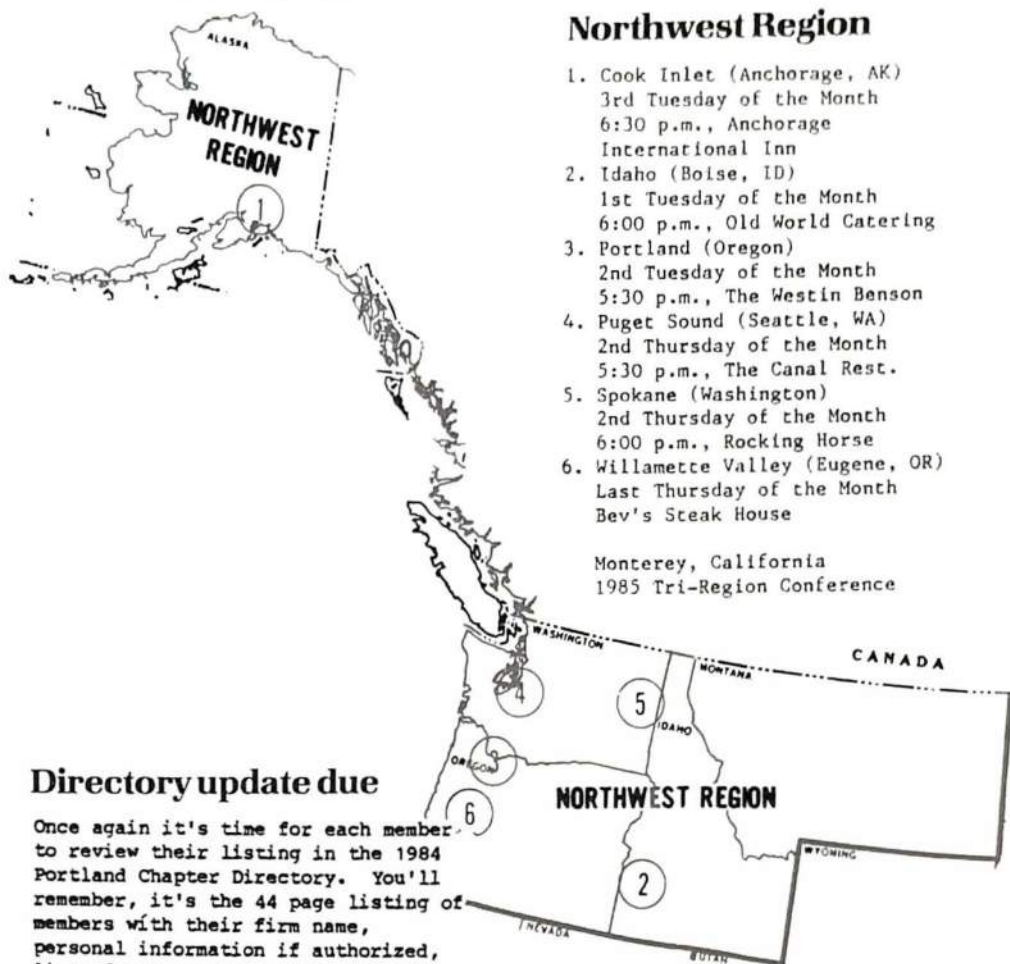
Lee expects it'll be a long long time before he intentionally qualifies as "no longer engaged in income-producing activities"

Your Board Members would like to hear from you - their names are on the last page of this newsletter.



Combine business and pleasure in Orlando, Florida at the 29th Annual CSI Convention/ Exhibit. This outstanding event with over 36 technical sessions and the magnificent array of construction products in 682 booths.

For family fun, Walt Disney World/Epcot Center is right next door. Plan now to make a definite date of June 21-23, 1985 to attend the CSI convention.



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
5:30 p.m., The Westin Benson
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

Monterey, California
1985 Tri-Region Conference

Directory update due

Once again it's time for each member to review their listing in the 1984 Portland Chapter Directory. You'll remember, it's the 44 page listing of members with their firm name, personal information if authorized, list of broadscope titles and numbers, member classifications according to the 16 Division CSI Masterformat, chapter bylaws, and a sheet for corrections. The 1984 Directory has buff covers.

The current edition was compiled in March 1984, and copies were sent 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 as soon as possible in order for the Committee to get the Directory published soon.

Computers Dislodging Architects

By the year 2000 as many as four-fifths of the nation's architects could be "dislocated" as computers automate the production of architectural drawings, product specifications, cost estimates, and schedules. This prediction was made in a recent presentation to the Technology Assessment Board of the U.S. Congress.

Harry Mileaf of McGraw-Hill Information Systems believes that the accelerated use of computers for construction design will push the architectural profession toward greater diversification. He chairs the Coordinating Council for Computers in Construction. "Overall the trend will be toward smaller numbers of larger firms, reduced labor requirements, and a growing dominance of the building owners as the major influence in the construction design market," he says.

He thinks the impact on engineering won't be as pronounced, for a smaller number of engineers are involved in jobs that can be easily automated. On the other hand,

Continued on Page 5

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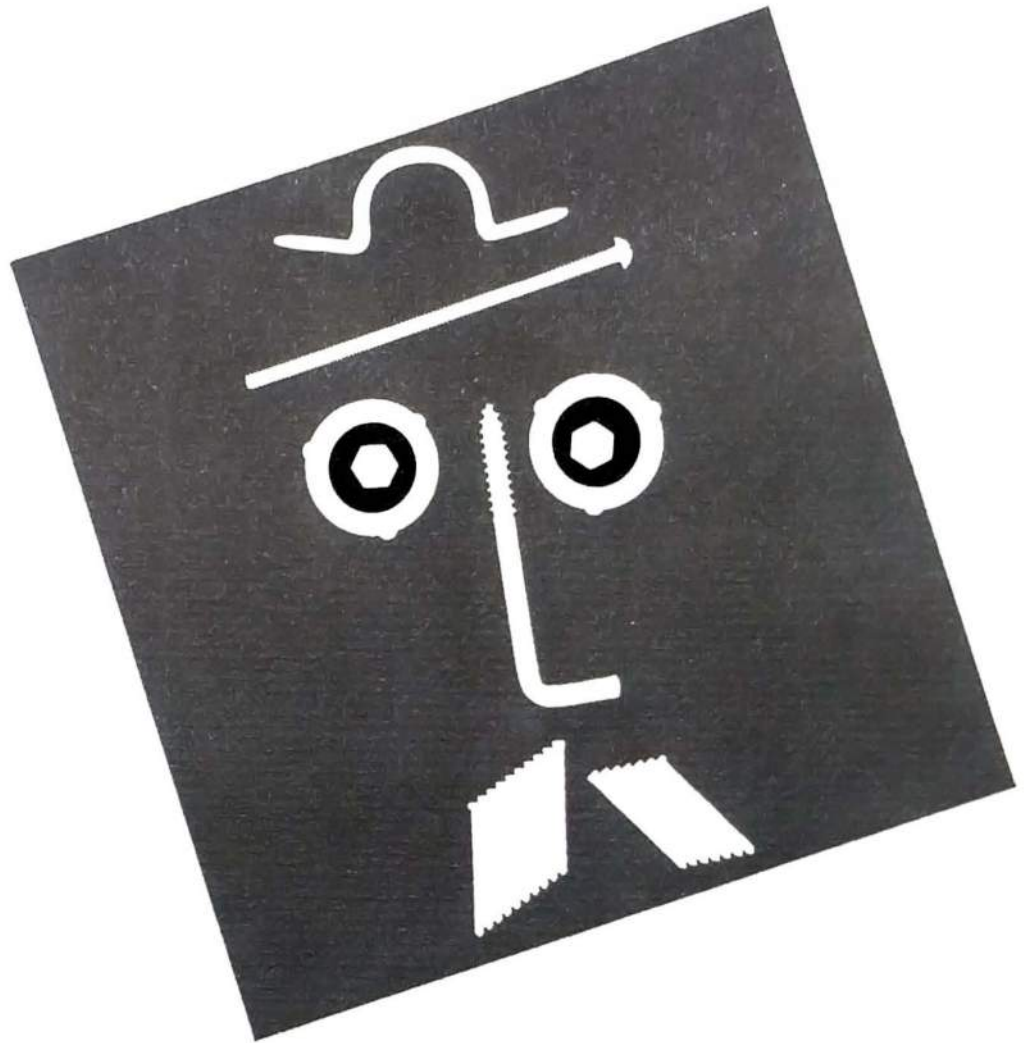
COME FACE
TO FACE
WITH YOUR
PROSPECTS

at the 11th annual CSI Products
Fair, April 4, 1985 10 am - 8 pm
Portland, Oregon

Reserve your booth at the all-new
CSI Products Fair in Portland. Here's
what we're doing to make this the
best fair yet!

- full publicity and advertising campaign
- special recruiting materials for exhibitors, including invitations and free drink coupons for your clients
- door prizes
- awards for best booth and best new product displayed
- complimentary food and wine bar
- free parking

For the nuts and bolts, contact John
Barker, 510 NW 3rd Ave., Portland OR
97209, (503) 231-9118



Yes, I want to know more about the 1985 CSI
Products Fair. Please send information today.

Name _____

Firm _____

Mailing address _____

ZIP _____

Telephone _____

V

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Letters to the Editor

Dear Editor:

In the February issue, Ken Searl, in his BS (Basic Specs) column, discussed a subject which is of considerable interest to us fire marshal types: namely, finish hardware.

Finish hardware is of concern to us from a different frame of reference. It plays a significant role in determining the quality of safety to life in buildings from a fire protection standpoint. Absolute safety from fire within a building is not practically attainable. Therefore, buildings, and particularly their exiting systems, should be designed in such a manner that exits are readily available and sufficient in number to permit the prompt escape of occupants in case of fire or other conditions dangerous to life.

Specifically, door assemblies which serve as a means of exit should, in each instance, be fitted with finish hardware of the simple type which is openable from the inside at all times for immediate exit and the method of operation of which is obvious even in darkness.

Unfortunately, from my point of view, the code does not always require such finish hardware but makes exceptions and permits the use of key operated deadlocks for the exterior doors of office buildings, mercantile occupancies, general purpose warehouses and those buildings generally classed in the Group B category of the Uniform Building Code. However, these key operated deadlocks must be readily distinguishable as being locked when in the locked position and where they are employed a sign is required over the door prescribing that it must be kept unlocked during business hours.

Notwithstanding this exception, manually operated edge or surface mounted flush bolts and surface bolts have been prohibited at least since 1964 (the oldest edition of the U.B.C. which I have) and when exit doors are used in pairs, when the "active leaf" is unlocked, both leaves must be free to swing. Where edgebolts and similar restraining devices are employed on the "inactive leaf", this constitutes a deception because the full door assembly is not readily openable. To make it fully openable involves relatively complicated movement. This could lead from very serious to grave consequences, since panic in a burning building may be uncontrollable and any uncertainty as to the adequacy of means of exit may serve to exacerbate the problem.

In spite of the long-standing regulations relating to finish hardware, field inspections during the course of construction of new buildings reveal an apparent ignorance if not defiance of finish hardware regulations. This is particularly true in the case of door supplier-supplied finish hardware.

Finish hardware for the sake of security is currently fashionable due to our society's failure to adequately deal with the criminal element among us. The criminal is protected by the criminal justice system. The citizens must provide for their own security. However, in the case of buildings frequented by the public and buildings to which the public is invited, the safety of the occupants from those naturally occurring phenomena (for lack of a better term) such as fire must be provided for, as well as their safety from the enemy outside the door. I don't believe these two goals are mutually exclusive, but in the current social climate, I believe that undue stress has been placed on external security to the detriment of internal safety.

Sincerely yours,

WASHINGTON COUNTY FIRE DISTRICT # 1

Wilburn Dodge,
Fire Prevention Officer
20665 S. W. Blanton St.
Aloha, Oregon 97007
Phone 503/649-8577

Low-Wattage Security Conversion Saves Energy

Low-wattage, high-pressure-sodium (HPS) lighting fixtures are providing low-cost, energy-efficient security lighting for a number of commercial structures. In fact, low-wattage HPS fixtures can actually provide a building with better illumination while cutting energy consumption.

To install an HPS security fixture, you remove the old fixture, strip the wires, screw the new fixture into the existing cover, mount it, and aim it. That's all. It takes roughly 15 minutes per unit. Once the new unit is installed, it's nearly maintenance-free. HPS lamps have a life of five or six years, almost 12 times that of incandescent lamps. A single 150 watt HPS low-wattage lamp puts out the same number of lumens as nine 150-watt flood lamps. That's a 6:1 or 84% reduction in energy. HPS fixtures also have a wider beam spread.

Commercial Renovation, 12/84

Dear Editor:

An Article in the February 1985 "The Predicator" was titled, "Choose Single Ply Roofing Systems Carefully." The article provided a "List for Consideration When Choosing a Single Ply Roofing System." I was absolutely astounded that someone would come up with a list such as that and not include anywhere in it, a mention of the structural capability of the roof structure. Two characteristics of many of the single ply membranes, namely the ease with which they can be applied over existing roofs and the common configuration of being ballasted rather than adhered, both result in significant structural considerations.

There was no indication as to the author for the article. I would suggest that you advise them that the best selected single ply roof system under the check list provided is not going to serve a building owner well when it is sitting on his floor.

We are not members of CSI and probably should be. This is only the second copy of the news letter that I have read and it generally contains a lot of good information. I hope these thoughts are helpful.

Sincerely,

Alfred H. Van Domelen
Van Domelen/Looijenga & Associates
Consulting Structural Engineers
3933 S. W. Kelly Ave.
Portland, Oregon 97201
503/222-4453

Continued from Page 1

Our co-chairmen and all their staff are doing an outstanding job in their preparation so let's all support their efforts and participate as an exhibitor, attendee or helper.

For more information on how you can be a part of the Products Fair '85, call John Barker at 231-9118 or Bruce Townsend at 232-9020.

Continued from Page 3

automation will draw building product manufacturing firms more deeply into the design function, as they develop software programs to promote the selection and specification of their products.

Small manufacturers will be hurt the most, because it will be hard for them to keep pace with technology.

Walls & Ceilings 12/84

Portland Chapter Leaders, 1984-85

President Betty Sherman Bellwood
231-5000, Ext. 755

President Elect
Marqie Largent 636-6977

Secretary Inga Vrla 635-6227

Treasurer Jim Davidson 226-3508

Board of Directors

Greg Ross (1985) 643-6761
John Barker (1985) 231-9118
Karen Akeson (1985) 242-9053
Dennet Latham (1986) 222-1917
J. Min Luey (1986) 228-9468
Jim Hirte (1986) 244-0843

1983-84 President
Dick Gira 224-8226

Committee Leaders

Products Fair,
Bruce Townsend 232-9020
John Barker 231-9118

Program, Neal Jacques 629-9806

Education, Ivan McCormick 226-1431

Technical Documents,
Dennis Obert 245-7802

Editor, Les Seeley 287-7135

Awards, Don Walton 643-9491

Hospitality, Mark Carpenter 626-6400

Publicity, Joe Woods 232-4000

Membership, Lee Kilbourn 224-3860

Region Responsibilities

Portland Chapter Members

Region Technical Chairman
Ivan McCormick 226-1431

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 223-8590

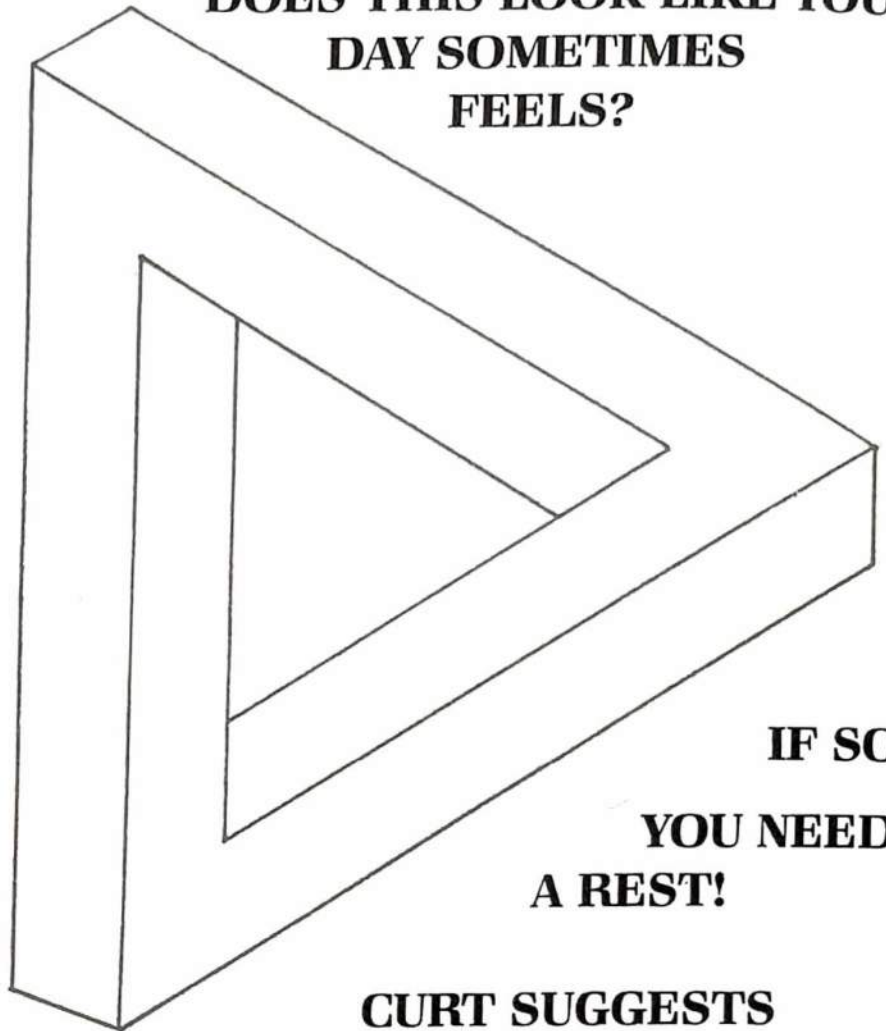
Region Directors

Arthur A. Nordling 509-838-8681
c/o Walker McGough Foltz Lverla
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

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FEELS?**



**IF SO,
YOU NEED
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The Predicator

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Portland, OR 97214

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BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, March 5, 1985
CSI Office - Room 200
1125 S. E. Madison

0374111
Robert R. Klas
R.C. Ehmann & Associates
6775 S.W. 111th Avenue
Beaverton, OR 97005

THE PREDICATOR



Vol. 24 No. 8

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

April 1985

President's Corner

by Betty Bellwood



Institute

The Northwest Region Directors attended the Institute Board meeting on February 1, 2 and 3, 1985, held at the Old Colony Inn Conference Center in Alexandria, Virginia. Several issues and recommendations were presented, and the following is a brief rundown of those items:

1. The Board approved the election of Glen H. Abplanalp, FCSI, to Honorary Member. This is the highest honor a member of the Institute can receive, and Glen is certainly a very worthy recipient of this award.
2. The Board approved a new standing "Specifications Competition Committee," and the Executive Committee authorized a meeting. Nominees for the Committee are being submitted for consideration at this time.
3. The Board approved appointment of an Ad Hoc Committee to study the present name of the Institute. The findings and recommendations will be reported to the Board at its Fall 1985 meeting.
4. Two recommendations, that would have the region Education and the Region Technical Chairman attend an orientation meeting in Alexandria, Virginia, were approved by the Board.

CSI

APRIL MEETING PROGRAM

Mr. Petter Moe, of Petter Moe and Associates, Interior Design, Space Planning and Project Management will discuss Interior Design Trends in Design and Materials.

Mr. Moe will describe how interior design and space planning relate to the construction community. He will also discuss trends in work station design (that's where office workers spend their time, folks) and why some of partitions go to the ceiling and some barely clear the desk - some are loose and some are "solid."

Be sure to come hear this program and get all the "inside" information on interiors.

DATE: Tuesday, April 9, 1985
PLACE: Westin Benson
TIMES: 5:30 - 6:30 Social
6:30 - 7:30 Dinner (\$12)
7:30 - 9 pm Program

For reservations, it would be best to call 238-1462 by noon on Friday, April 5, 1985. If on Monday morning you've just remembered, it won't be too late - if by noon.

Parking is free! Enter the parking facility on S.W. Broadway near Stark (under the Bank of California Building). There is an underground passage to the Westin Benson. Bring your parking "Ticket" to the meeting and it will be validated.

- Visits by the EDCOM and TDC representatives to attend Region Conferences will still be maintained.
5. The Board approved a dues increase of \$10 per year. This is the first increase in two years, and is required to offset the postage increase and additional yearly taxes for the State of Virginia. Due to anniversary dates for dues renewals, it will take two years for the increase to be fully effective, which will go into effect July 1, 1985.
6. The recommendation, submitted by Director's Thomas and Nordling, "... to allow Industry/Associate members to be eligible for

J. Donald Kroeker

The Oregonian, March 12, headline on the Obituary Page read "Engineer J. Donald Kroeker dead at 84". The story reported he was born in Russia, moved with his parents to Canada and then to Oregon in 1918. He was a fellow in ASHRAE and ASME. He wrote more than 60 articles on specialized phases of air conditioning and other technical subjects.

Don was a charter member of Portland Chapter CSI and a Member Emeritus since his retirement in 1976. He helped me late in his career when an editor was needed for The Predicator. He helped me realize the value of a newsletter such as ours as a record of the accomplishments of our organization; and then he set about to establish that valuable newsletter. I hope to continue to work toward these goals.

- by Lee Kilbourn

Coming Attractions

Apr. 9, 1985
Interior Design Trends in Design and Materials

May 14, 1985
Construction Labor Alternatives

June 11, 1985
Annual Fun Night & Awards

April 4, 1985
Products Fair
10 am to 8 pm
Up-date on Page 2

President-Elect and President of the Institute was turned over to a "Blue Ribbon" Ad Hoc Committee. The Committee will be made up of three Past Institute Presidents and three Past Institute Treasurer's (Industry members). Their findings will be reported to the Board at the Fall, 1985 meeting.

Continued on Page 3

FACE VALUE

Exhibitors, as of March 24

1985 CSI Products Fair

Acousti-Level Floor Systems	03500	Cementitious Decks
Adhesive Engineering Co.	03250	Concrete Accessories
American Olean Tile Co.	09300	Tile
American Hydrotech Inc.	07500	Membrane Roofing
American Roofing Corp.	07500	Membrane Roofing
Anchor Wood Heat	10300	Stoves, Fireplaces
Architectural Reproductions	04500	Masonry Restoration
	03450	Architectural Precast
	04335	Cast Stone
Atlas Packing & Rubber Co.	07900	Joint Sealers
Basic Computer Systems, Inc.	Gen'l	Communications
Beadex Manf. Co., Inc.	09250	Gypsum Board
BEC Co.	09500	Acoustical Treatment
Building Tech. Bookstore Inc.	Gen'l	Communications
The Burke Company	03250	Concrete Accessories
Cenco Door Systems	08200	Wood & Plastic Doors
CertainTeed Corp.	07200	Insulation
Construction Data & News	Gen'l	Communications
Construction Products NW Co.	05500	Metal Fabrications
Contract Distributors Corp.	09300	Tile
Contractor's Weekly	Gen'l	Communications
Cronin Company	09000	Finishes
Daily Journal of Commerce	Gen'l	Communications
Dal Tile Corp.	09300	Tile
DeaMor Associates, Inc.	08000	Doors & Windows
D.E.L. Distributing Co.	07100	Waterproofing
	10200	Louvers & Vents
Division Ten, Inc.	08300	Special Doors
Dorma Door Controls Inc.	08700	Hardware
Dulin & Son, Inc.	10800	Toilet & Bath Accessories
Durus Industries, Inc.	08300	Special Doors
Empire Pacific Ind. Inc.	08200	Wood & Plastic Doors
Energy Saving Products, Inc.	15750	Heat Transfer
Enos Co., Inc.	05500	Metal Fabrication
Firestone Building Products Co.	07500	Membrane Roofing
Flexco	09700	Special Flooring
Gaco Western, Inc.	07570	Traffic Topping
Gates Engineering Co., Inc.	07500	Membrane Roofing
General Hardwoods Company	08200	Wood & Plastic Doors
Graphic Products	10400	Identifying Devices
Health Physics Northwest, Inc.	13090	Radiation Protection
Hess Schraeder Painting Inc.	09900	Painting
Hughes Agency	08700	Hardware
	10150	Compartments & Cubicles
Inryco, Inc.	13120	Pre-Engineered Structures
Interior Office Systems	12600	Furniture & Accessories
Interline Communication Services	16700	Communications
International Tile & Supply	09300	Tile
Interpace Industries, Inc.	09300	Tile
	04200	Unit Masonry
Kawneer Co.	08400	Entrances & Storefronts
K.C. Metal Products, Inc.	08700	Hardware
Kelly Energy Systems	07500	Membrane Roofing
Kelly Moore Paint Company	09900	Painting
Lumber Products	09900	Painting
Manville Corp.	07500	Membrane Roofing
Masonry & Ceramic Tile Inst.	04000	Masonry
	09300	Tile
Masons Supply	03250	Concrete Accessories
	07900	Joint Sealers
Merit Building Specialties	07240	Ext. Insul/Fin. Sys.
Mirror of Sweden	09950	Wall Coverings
Modernfold Northwest Inc.	10600	Partitions
Mohr Const. Systems, Inc.	07500	Membrane Roofing
	07900	Joint Sealers
Morse Bros. Prestress Concrete	03400	Precast Concrete
National Electrical Contr. Assn.	16000	Electrical
National Marketing	07200	Insulation
Northwest EPS, Inc.	07200	Insulation
NW Lath & Plaster Trust	09200	Lath & Plaster
NW Pump & Equipment Co.	11140	Service Station Equip.
NW Sealants Inc.	07100	Waterproofing
Otis Elevator Co.	14200	Elevators
Owens-Corning Fiberglas	07200	Insulation
	07500	Membrane Roofing
Pella Windows & Doors of Oregon	08600	Wood & Plastic Windows
Pioneer Waterproofing Co., Inc.	04500	Masonry Restoration
	07570	Traffic Topping
	07900	Joint Sealers
P.H. Bowman Co., Inc.	06100	Rough Carpentry
Products Research & Chemical	07570	Traffic Topping
Readymesh Co.	03200	Concrete Reinforcement
Robert Young Associates	09500	Acoustical Treatment

Sea Pac Sales	09650	Resilient Flooring
	09680	Carpet
Seattle Door Co.	08200	Wood & Plastic Doors
Schlage Lock Co.	08700	Hardware
Sharp Roofing Sales, Inc.	07500	Membrane Roofing
Simpson Strong-Tile Co., Inc.	06100	Rough Carpentry
Sonneborn Building Products	07100	Waterproofing
	07900	Joint Sealers
Sound Floor Coverings, Inc.	09650	Resilient Flooring
	09680	Carpet
	16500	Lighting
Stearns, Harry Inc.	09540	Special Surfaces
Thomas Architectural Products	14400	Lifts
Total Access Co.	07240	Ext. Insul/Fin. Sys.
Tri-State Distributors	12500	Window Treatment
12,500 Commercial Wall Covering	05200	Metal Joists
Unistrut Portland	10270	Access Flooring
	09300	Tile
United Tile Co.	09950	Wall Coverings
Wallpapers, Inc.	09680	Carpet
	07100	Waterproofing
Wescon Materials, Inc.	07500	Membrane Roofing
	07200	Insulation
Western Insulfoam	07200	Insulation
Wiley-Bayley, Inc.	07240	Ext. Insul/Fin. Sys.

Show Your Face



The Portland Chapter, Construction Specifications Institute invites you and your associates to the all new, 11th annual CSI Products Fair Thursday, April 4, 1985 10 am - 8 pm Memorial Coliseum Convention Hall

- Over 100 exhibitors showing their newest products
- Complimentary buffet lunch
- Hosted wine bar & hors d'oeuvres
- Door prizes
- Free parking

Hi-Ho! FAIR
Come to the
April 4, 1985

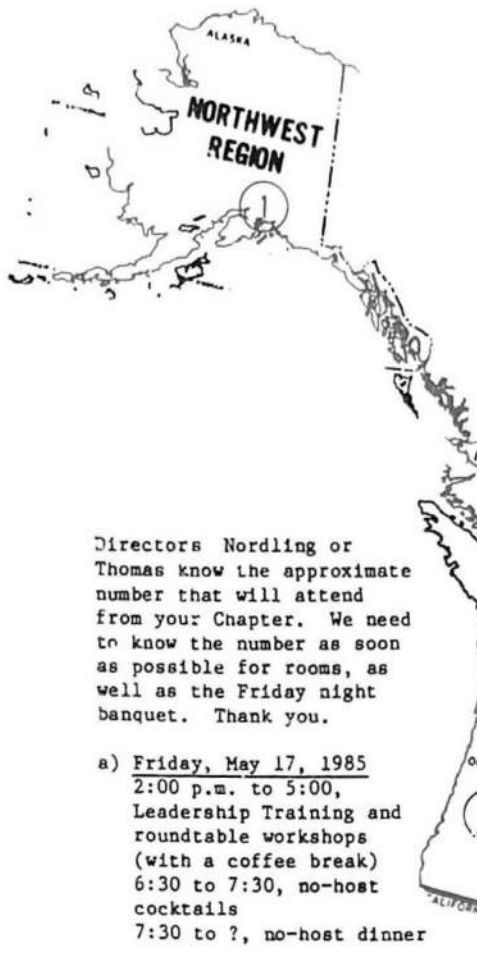
Continued from Page 1

7. The Board also approved a recommendation for educational programs for Industry/Associate members. Past programs have been geared mainly for professional members, and this will be a welcome addition to the Institute's programs.
8. The recommendation to establish a new Standing Committee for membership affairs was not approved. Three other recommendations were withdrawn, for either being untimely or redundant to others.
9. The Awards Committee received a disappointing low number of submittals, only 42, for all categories. Also, the Jury of Fellows received 8 nominations which is slightly lower than normal. However, there is a record number of applicants for the Certification of Construction Specifiers exam, 187.
10. The National Convention in Orlando, June 21-23, 1985, is getting closer. Plan ahead, make reservations early as the Institute will again be offering a 50% discount on all convention activities up to a certain date. Watch for the upcoming miles; it'll be a great place for a convention and a vacation.

REGION

1. Five members of the Region have been submitted for various Institute Committees. As soon as the selections are made, we'll notify all the nominees and Region members.
- *2. The Northwest Region Leadership Training Conference and Coordinating Council meetings are set for May 17 and 18, 1985, in Seattle, WA.

These meetings are specifically designed to assist all Chapter Chairmen of various committees and new incoming officers of each Chapter. The meetings will be held at the Seatac Marriott with room rates around \$52. A block of rooms has been set aside for the Region; so Chapter Presidents, please let



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
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5:30 p.m., The Westin Benson
 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
- Monterey, California
1985 Tri-Region Conference

Directors Nordling or Thomas know the approximate number that will attend from your Chapter. We need to know the number as soon as possible for rooms, as well as the Friday night banquet. Thank you.

- a) Friday, May 17, 1985
2:00 p.m. to 5:00, Leadership Training and roundtable workshops (with a coffee break)
6:30 to 7:30, no-host cocktails
7:30 to ?, no-host dinner
- b) Saturday, May 18, 1985
9:00 a.m. to 12 noon, wrap-up session and Coordinating Council Meeting. (Also, a Region Nominating Committee will be meeting to review nominees for Industry/Associate Region Director to replace Dave Thomas, whose term expires on June 30, 1986.)

A detailed agenda will be sent out by March 15, 1985.

3. The Tri-Region Conference, to be held September 6-10, 1985, in Monterey, California, is in the final planning stages. All Region Directors and Co-Chairmen met at the Asilomar Conference Center on January 31, 1985, for a hands-on planning session. It's a beautiful area for a Conference (or vacation), and 400 spaces have been reserved for all three regions. So, plan ahead, first come, first served. More information and publicity will be sent out in a separate report during the month of March.

4. In summary, the important dates to plan ahead for are:
 - a) May 17 and 18, 1985 - NW Region Leadership Training/Coordinating Meeting in Seattle, Washington.
 - b) June 21-23, 1985 - CSI National Convention in Orlando, Florida.
 - c) September 6-10, 1985 - Western Tri-Region CSI Conference in Monterey, California.

Hope to see you all there.

Arthur A. Nordling, Spokane
David E. Thomas, Puget Sound

*I invite, and urge, attendance at the May 17-18 Leadership Training Conference--especially those who will serve on the board or chair a committee in 1985-86. Please let me hear from you soonest!

Betty Bellwood - 231-5000 Ext. 755.

March Meeting

Jerry J. Barbera, Regional Manager of International Conference of Building Officials (ICBO) discussed the Uniform Building Code. ICBO publishes, maintains, and keeps the Uniform Building Code current. Building Code changes are reviewed in committee and disputed recommendations are presented at conventions for final action.

Changes to the 1985 Uniform Building Code of interest to the CSI were discussed. Each jurisdiction may adopt any or all of the revisions.

Changes of interest include:

503 Mixed Occupancies: there is no separation required

1) between kitchen and dining room of which it is a part,
nor

2) between a house and carport, if carport is entirely open on two or more sides.

505 (e) Area Separation Walls:

The non-combustible face on parapets is only needed for the uppermost 18" instead of 30" as now required.

509 Arcades is retitled Pedestrian Walkways, and essentially gives requirements for sky bridges.

Glue-lam domes will be allowed under 602.

In parking garages the minimum clearance to ceiling pipes, beams etc. is now changed to 7' - 0" from 6' - 6" to accommodate vans.

1207(b) Room Dimensions, the minimum floor area for at least one room in every dwelling unit is reduced from 150 to 120 square feet.

Table 43C "Protection for floor and roof systems" no longer allows products with asbestos.

4706 Exterior Lath: the paragraph about Weep Screeds has been expanded to detail their requirements.

4708 now makes clear that Portland cement plaster can not be applied to frozen base or surfaces containing frost.

Chapter 51 Elevators, dumbwaiters, escalators and moving walks has been completely revised to eliminate conflicts with ANSI/ASME A17.1 "Elevator" Code.

Several other code changes were discussed. Barbera concluded with information that a plan review program is being developed so that can plug in problem and computer will advise which section of code will apply.

All in all a fascinating meeting with a good attendance.

CSI Board Of Directors Meeting

MARCH 5, 1985 at the Builder's Exchange, Portland, Oregon.

PRESENT; Hirte, Jacaques, Latham, Luey, Barker, Woods, Stricklin, Obert, Ross, Davidson, Bellwood, Vrla, Largent, Kilbourn, Akeson, Townsend, Seeley.

Meeting was called to order at 12:10. Minutes of previous meeting were read and approved.

Treasurer's report was read and approved. Davidson had question about the liability insurance premium, and whether this policy was a requirement for the Products Fair. It is. (per John Barker).

Committee Reports

EDUCATION: Jolie Stricklin reported for Ivan McCormick that there were 8 applicants for the upcoming seminar which is titled, Division 1, Theory and Implementation. Jolie will complete the year as Education Chairman in place of Ivan McCormick.

MEMBERSHIP: 240 members. Short discussion about inviting downtown non-member architects to our meetings. Another discussion about the status of our directory, which is proceeding.

PROGRAMS: Jacques reported that Mr. Barbera is on schedule, and he also reported that Mr. Petter Moe will present the April meeting on Interior Design.

PRODUCTS FAIR: 80 booths sold. 1,000 posters mailed. Barker distributed post cards for individual mailing.

PUBLICATIONS: Seeley advised that the incoming president will need to find another firm to mail the newsletter next year. Also, he did not receive any response to his contest offer.

TECHNICAL DOCUMENTS: Obert reported his committee was working on updating the CSI library. Ordered 12 Master Formats. Working on Section 15010. Next meeting 5:45 p.m. at SRG offices, 3/21/85.

Ad Hoc Committee Reports:

PAST SERVICE: Margie Largent received 13 sheets - NEED 200 MORE at least!

REGION DIRECTOR; No news yet.

NOMINATIONS: Bellwood noted that Gira should have been approved as Chairman at a regular meeting. This has been taken care of.

NEW BUSINESS: Bellwood received a letter from a firm back East requesting permission to use our CSI approval form. Obert to respond.

Secretary requested to write letter to National Headquarter protesting the "mess up" on the most recent ballot, where the second and corrected ballot was not complete.

Betty Bellwood also reminded committee chairpeople to send her a paragraph about their committee activities for the past year . . . before April 1.

Meeting adjourned at 1:05.

Respectfully submitted, Inga Vrla, Secretary.

Building Safety Begins During Renovation

Because renovation often takes place inside or next to occupied structures, it can create a greater chance of fires than does new construction. The leading causes of fire during rehabilitation are welding and cutting, temporary heat, uncontrolled smoking by contractor's employees, and temporary wiring or other electrical sources. The following fire controls should be considered:

1. Do not shut off existing fire protection systems until alternate backup systems are in place.
2. Construct temporary partitions of non-combustible materials.
3. Use fire-resistant tarpaulins for temporary closures.
4. Take extra care when welding, torch cutting, sweating pipe joints, using plumber's lead pots, or operating gas-fueled, propane, or natural-gas heaters.
5. Ensure that installation of temporary heaters conforms to ANSI A10.10 "Safety Requirements for Temporary and Portable Space Heating Devices and Equipment Used in the Construction Industry."
6. Meet applicable codes when storing flammable gas cylinders.
7. Obtain welding/cutting permits from fire-safety officials and strictly follow all precautions listed on them.
8. Effectively ventilate areas where flammable and combustible liquids and gases are present. Eliminate smoking, open flames, and other ignition sources.
9. Keep liquids with flashpoints under 100 degrees in UL-listed

Continued on Page 5

Letters to the Editor

Dear Editor

In response to a letter written by Alfred H. Van Domelen in which Mr. Van Domelen is responding (The Predicator March 1985) to an article "Choose single ply roofing" (The Predicator February 1985) and a sentence in his next to last paragraph reads "...the best selected single ply roof system under the check list (article in reference) provided is not going to serve a building owner well when it is sitting on his floor."

I am reminded of an article printed in March 1984 addressed to:

DEAR KEN - p. 4, (signed Walt Friday, State Oregon Bldg. Code Official) "Snow Fells School Roof"...and tells how the roof collapsed with weight of snow (Alaska) but that the elastic roof membrane did not tear, filled up with water like a balloon - but the books in the library were saved.

The essence of my comment is that the owner's floor and contents were better served if the membrane holds.

I do not have a keen interest in roofing membranes but want Mr. Van Domelen to know we appreciate his interest in CSI and as next year's president I am personally going to sign him up (the application is in the mail, Al) and recruit him to service in the Portland Chapter.

Margie Largent, President-Elect
Past President, 2 times
Editor
Chapter Service Committee, etc.

To the Editor:

The April, 1983 issue of The Predicator included a partial report of a study on Resilient Floor Covering and Concrete Slab Moisture.

The AFCC would like to receive reports of site moisture tests on projects where these recommendations were followed, and also reports of site moisture tests where these recommendations were not followed.

We would be interested in learning of moisture tests, either favorable or unfavorable, which relate to resilient floor covering. Copies of reports would be helpful, but a telephone call would be appreciated.

Jerry Van Scoy CSI
Associated Floor Covering Cont.
330C S. E. 82nd Avenue
Portland, Oregon 97216
503/254-6548

BS by KS

Basic Specs by Ken Searl

As you may remember in previous articles I discussed notes on drawings and the fact that one had to watch out for Consultants, particularly Structural Engineers, placing way too many notes on drawings. It seems like this practice is still a problem. Most of us can do something about it by just instructing and insisting to our Consultants that they do it the way we want it and explain to them the reason why. The Spec Writer who is a Specifications Consultant has a different problem because they are not in a direct position to order or instruct the other Consultants as to how they are to do their work and this can cause problems. It appears the Architectural firm engaging the services of many Consultants including a Specifications Consultant should make sure that everybody is playing the same tune.

One item that has bothered me for a long time is when one goes to a job-site and makes a statement in response to a question if something is needed and you look at it and say yes. Then the Contractor does it and sends in a bill for payment even though it was covered by contract documents. This points out two things. One why are the Contractors so darned eager to charge extra for something that is already covered and two, when one does make such a statement one should as soon as possible study the specs and drawings to make sure if the item was covered or not.

Another item I want to address this month is fire dampers. Many times when the project is over 90 percent complete the Building Dept. or the Fire Marshal requests that additional fire dampers be placed and usually the cost is quite high. I guess what bothers me so much is that fire dampers really don't do that much good. By the time the flames or heat reach the fire damper fusible link it is too late. What we have here is a code that appears to be more intent on saving buildings than in saving lives. It is noted that most if not all duct systems are required to be equipped with smoke detectors in the return air to shut off the blower in the event of any smoke. This seems to me that this does much more good than a fusible link fire damper. It is also noted that door closers with fusible links are still legal in most instances, why I don't know. I have not specified them for years. It was plain to me that they are worthless when it comes to saving lives. If you need a door closer to close in the event of smoke or fire, specify a smoke operated closer. It appears to me that there is a lot of room for improvement in our present codes or am I the only one that feels that way.

In the near future I will have some concrete information regarding the Tri-Region Conference in California this coming September. As soon as I get it I will pass it on to you. Should be a great conference and I hope you give it some consideration.

Continued from Page 4

safety containers.

10. Prohibit accumulations of debris, especially if combustible.

11. Have qualified electricians install temporary wiring. Inspect it periodically.

12. Post warning signs at all entries into construction area.

13. Mark exit stairways clearly and keep them free from obstruction.

14. Inspect the job for smoldering fires 30 minutes before quitting time.

15. Arrange pre-planning visits by local fire departments and other emergency service departments.

16. Train employees in fire safety.

Commercial Renovation, 12/84

Help For Small Business

Small business operators can get special help from the Commerce Department's new program called "Roadmap," which attempts to answer questions about trade, taxes, business licenses, government procurement, funding, product standards, and franchising. Answers are usually provided within 24 hours. Write to Roadmap Program, Commerce Department, Office of Business Liaison, Room 589C, Washington, D.C. 20230 or call (202) 377-3176.

NICA Insulator, 12/84

AISI Offers Report on Steel Stud Fire Ratings

The American Iron & Steel Institute has released a new publication, "Fire-Resistance Ratings of Load-Bearing Steel Stud Walls with Gypsum Wallboard Protection, with or without Cavity Insulation." It is a report of a research program that found that insulation in the wall cavity does not affect the assigned fire resistance rating of interior walls. The report also found that ratings for interior walls are applicable to exterior walls. Copies of the brochure are available from AISI, 1000 16th Street, N.W. Washington, D.C. 20036.

Walls & Ceilings, August 1984

Portland Chapter Leaders, 1984-85

President Betty Bellwood 231-5000
ext. 755

President Elect
Margie Largent 636-6977

Secretary Inga Vrla 635-6227

Treasurer Jim Davidson 226-3508

Board of Directors

Greg Ross (1985) 643-6761

John Barker (1985) 231-9118

Karen Akeson (1985) 242-9053

Dennet Latham (1986) 222-1917

J. Min Luey (1986) 228-9468

Jim Hirte (1986) 244-0843

1983-84 President
Dick Gira 224-8226

Committee Leaders

Products Fair,
Bruce Townsend 232-9020
John Barker 231-9118

Program, Neal Jacques 690-1241

Education, Jolie Stricklin 249-2000
ext. 421

Technical Documents,
Dennis Obert 245-7802

Editor, Les Seeley 287-7135

Awards, Don Walton 643-9491

Hospitality, Jack O'Brien 626-6400

Publicity, Joe Woods 232-4000

Membership, Lee Kilbourn 224-3860

corrections and additions?
please contact the Editor.

Region Responsibilities

Portland Chapter Members

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 223-8590

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

**BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, April 2, 1985
CSI Office - Room 200
1125 S. E. Madison**

Filosophicall Nonsense & Stuff

The strongest drive
is not Love or Hate.

It is one person's need
to change another's copy.

modify *revise* *rewrite* *change* *alter* *improve* *stop to pieces*

AMEND

The Predicator

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Portland, OR 97214

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THE PREDICATOR



Vol. 24 No. 9

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

May, 1985

President's Corner by Betty Bellwood



Spring Thoughts

I have three thoughts that are uppermost this month.

First, I'm absolutely delighted about the Products Fair! In the opinion of exhibitors and attendees alike, it was a "really good show!" On behalf of a grateful chapter, I commend and thank Jonn Barker, Bruce Townsend, Bowler & Associates, and all the others, who engineered, publicized, and helped to make this year's fair so well accepted. Sincere thanks to our exhibitors and attendees for their participation and enthusiasm. (We'll have early morning coffee for our exhibitors at the next fair--that's a promise!)

The second thought I want to share is regarding future candidates for region director. A question will express my thought best: "Wouldn't it be beneficial if region director representation was automatically spread throughout the region geographically?" It could be accomplished very easily--by simply never entering a candidate from the senior region director's chapter.

Third, we wrestle with a problem every month--how many reservations shall we make for the dinner meeting? We look at the number of reservations we have on Monday morning and guess how many will actually attend on Tuesday. We welcome and solicit your attendance; we need to be prepared

CSI MAY CHAPTER PROGRAM MAY 14, 1985

A panel representing fire departments and security systems manufacturers will discuss how to keep a building secure while complying with exiting requirements. The fire department side will be represented by Will Dodge of Washington County Fire District 1, a frequent contributor to The Predicator.

DATE: Tuesday, May 14, 1985
PLACE: Westin Benson
TIMES: 5:30 - 6:30 Social
6:30 - 7:30 Dinner (\$12)
7:30 - 9 pm Program

Portland Chapter meetings are open to everyone interested. For reservations, it would be best to call 238-1462 by noon on Friday, May 10, 1985. If on Monday morning you've just remembered, it won't be too late - if by noon.

If on Tuesday you've decided you can make it after all, then come! Nobody's gone away hungry yet.

Parking is free! Enter the parking facility on S.W. Broadway near Stark (under the Bank of California Building). There is an underground passage to the Westin Benson. Bring your parking "Ticket" to the meeting and it will be validated.

for you. The hotel must know early Monday how many to prepare for. If we "over" reserve, the chapter must pay for extra meals. If we "under" reserve, the Westin Benson may not be prepared to serve everybody. Some chapters bill for "no shows"; some chapters charge more to those who did not reserve before the deadline.

Help us avoid implementing either of these practices. If you have not already done so, please take a moment and do one or both of the following:

- o Call 238-1462 and add your name to the list of "regulars." (Then, call monthly only when you cannot make it), and/or
- o Flip through your calendar and mark the Friday before the second Tuesday of each month "CSI Reservation". Friday is the ideal time to make your reservation for the following Tuesday's meeting.

Coming Attractions

Vintage Building Seminar Offered
May 16, 1985

SEAO is offering a seminar on evaluating structure of vintage buildings, optimizing their safety, and preserving their architecture.

Speakers will be
MICHAEL SHELLENBARGER,
Associate Professor of Architecture
at the University of Oregon

DAVE WALTON, P.E.,
recently retired from the City of
Seattle,

JOHN KARIOTIS, P.E.
of Kariotis and Associates, South
Pasadena, California.

BEN SCHMID, P.E. of
Schmid Engineers, Pasadena,
California.

Mark your calendar for May 16, 1985
- 8 A.M. to 5 P.M. Cost is \$65,
including handouts and a really
good lunch.

FOR INFORMATION CALL CHARLES GARY
PETERSON AT 503-292-3521.

May 17 and 18, 1985
Northwest Region Leadership
Training/Coordinating Meeting at
Seatac Marriott.

June 11, 1985
Annual Meeting, Chapter Awards and
Fun Night with other festivities at
the Jenkins Estate on Farmington
Road a facility of the Tualatin
Hills Park and Recreation District.

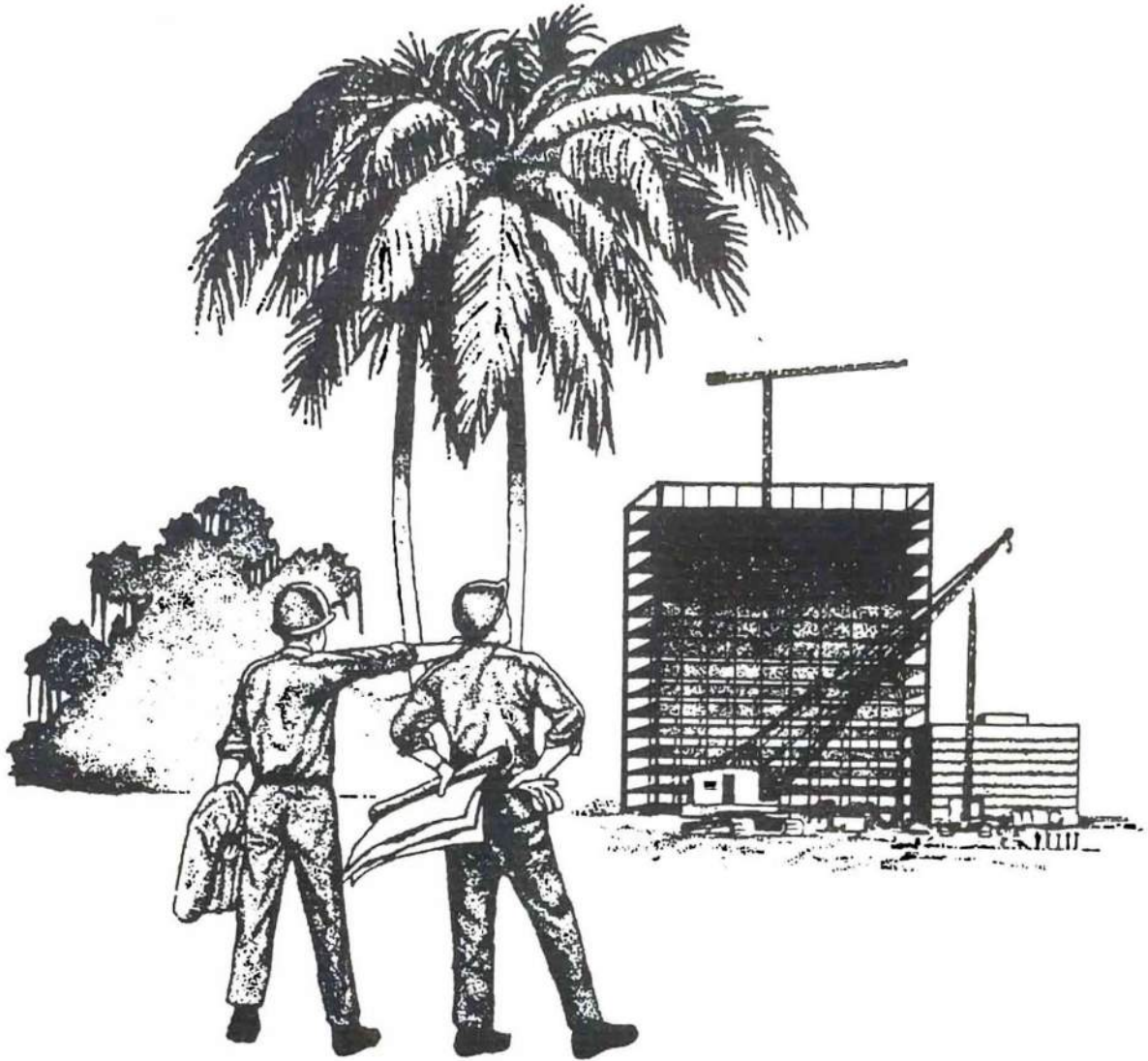
June 21 through 23, 1985
CSI National Convention and
Exhibit in Orlando, Florida.

OSHA Increases Monitoring of Two-Point Scaffolding

Citing continued loss of life from collapses of two-point suspended scaffolding, OSHA has mandated selective inspection of worksites using the scaffolding. The program, which began in early August, includes provision for immediate inspection in the event of "potential imminent danger". The program will continue indefinitely.

Constructor, August, 1984

OPT FOR ORLANDO!



It's not too early to start making your plans to attend the 29th Annual CSI Convention / Exhibit in Orlando, Florida. An outstanding array of technical sessions will educate and enlighten. Add the excitement of Epcot Center and Walt Disney World for family enjoyment. We've arranged for special hotel rates for before and after the convention.

Jot down June 21-23, 1985 on your calendar. It will be well worth the trip for you and your family.

An Immediate, Practical Approach to Floor Tolerances

Owners, architects and engineers should remember two considerations in preparing plans and specifications for concrete floors:

1. The present American Concrete Institute standard tolerances for floor flatness are too tight and usually not attainable for most jobs. This is particularly true for elevated slabs, slabs requiring aggregate-type surface hardeners, slabs in which wide placements have been detailed, and slabs in which expansive cement is used.

2. For many years contractors have bid on specifications with tolerances that cannot be attained by justifiable practices. Measurements show that these tolerances have seldom been achieved; yet the slabs have been acceptable because they have served the owners' needs. This has led contractors to assume their floors have met the flatness tolerances when in fact they have not.

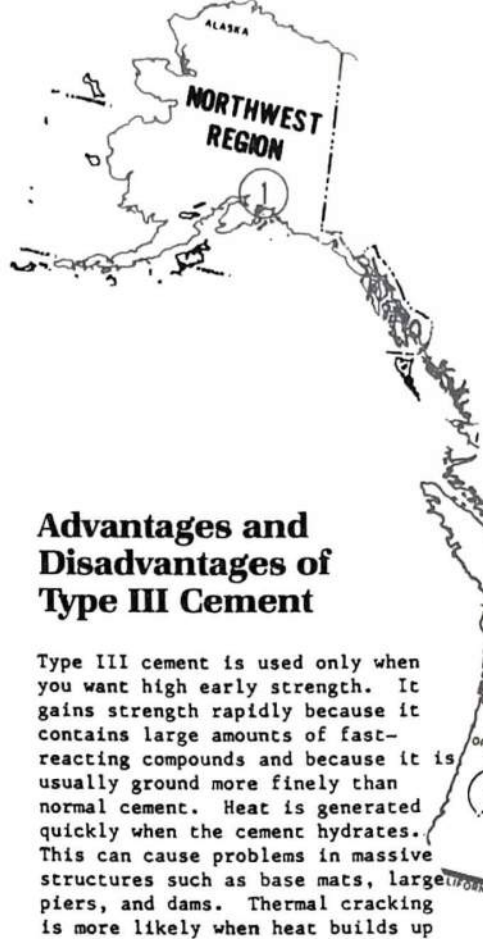
Designers should not automatically specify Class A or Class AA floors unless such a flatness tolerance is definitely needed. The designer should first examine a floor that has performed to the owner's satisfaction, then consult experienced contractors to determine what cost premium, if any, will be attached to achieving the desired tolerance.

Small flatness tolerances are needed

- (1) in narrow-aisle, high-bay warehouses that require use of high stacking forklift trucks;
- (2) in specific limited areas within a building where special material handling equipment requires close tolerances; and
- (3) on elevated slabs where closed dimensioned prefabricated building units will be used.

Specifications should hold the contractor or concrete subcontractor responsible for meeting the flatness tolerance only at the time the floor has been placed and finished, not when it is turned over to the owner. Any changes in flatness caused by the environment, time or traffic are the responsibility of the designer.

Concrete Construction, 1/85



Advantages and Disadvantages of Type III Cement

Type III cement is used only when you want high early strength. It gains strength rapidly because it contains large amounts of fast-reacting compounds and because it is usually ground more finely than normal cement. Heat is generated quickly when the cement hydrates. This can cause problems in massive structures such as base mats, large piers, and dams. Thermal cracking is more likely when heat builds up quickly in a structure. Finely ground cements also tend to set very quickly, which can cause problems during hot weather concreting operations.

Concrete Construction 1/85

Improve Illumination in VDT Areas

Efflorescence occurs when salts in the concrete or the immediate environment dissolve in water, which then carries them to the surface and leaves them as a whitish deposit. To control this problem, avoid using water that contain excessive salts. By-products of cement hydration can also cause efflorescence. This can be solved by using fly ash as an admixture in the concrete. The fly ash reacts with calcium hydroxide to form a compound that is insoluble in water. Deicers applied to bridge or parking decks and salts carried by water coming into the concrete from adjoining soil are other sources of efflorescence. Adequate curing, use of a concrete with low water-cement ratio, and good waterproofing practices make concrete more watertight and efflorescence less likely.

Concrete Construction 1/85

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
5:30 p.m., The Westin Benson
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

Monterey, California
1985 Tri-Region Conference

Coming Attractions

DUES INCREASE PLANNED

The CSI Board, at its meeting last February, approved an increase in national dues - they had been the same for a couple of years.

Now is the time for the folk who have been delaying the start of their CSI Membership to join!

Now is also the time to sign up the folk who have been delaying the start of their CSI Membership!

Applications processed by CSI Headquarters before June 1, 1985 will go through at the old rate. On June 1, a new application will be used, with \$110 the amount for Institute dues. Portland Chapter dues will remain the same, at \$20.

If you, or your colleagues, need application forms, contact Lee Kilbourn at 224-3860 or the Portland Chapter office at 238-1462 today.

April Meeting

The program for the April 9, Portland Chapter of CSI meeting featured Petter Moe of Petter Moe and Associates, Interior Design, Space Planning and Project Management. Petter Moe and Associates is a combination of two firms. One is service oriented and the other product oriented. Actually the firm is currently selling information and knowledge to each of their clients.

Space planning can be defined as the efficient use of working space. The concept is to have a space in which one can work long hours and be productive but also can go home in the evening and not be exhausted but continue to work.

Petter Moe and Associates design functional lighting, acoustics, carpets, ceilings, walls etc., that is the physical aspects of the work place. Petter Moe tries to follow old trends as well as create new ones.

Bruce Whitaker of Petter Moe and Associates then discussed the concept of trends versus new directions.

The residential areas of construction are changing more rapidly than commercial building construction. The major Health Care Facilities are changing rapidly. The major change in manufacturing is the use of robots and the treatment of people such as by use of color to increase productivity.

Our society has changed from being a product oriented society to a service oriented society. As discussed in "Future Shock" and "Megatrends" we are becoming a high tech - high touch people who react against a sterile static environment.

People are making more durable products which are not gaudy and are easy to maintain. They are designing spaces that can adapt with flexible - moveable walls etc.

In conclusion, Petter Moe and Associates really seemed to care about individuals and their environment.

CSI Board Of Directors Meeting

Apr. 2, 1985 - Builder's Exchange Portland, Oregon

PRESENT: Jacques, Kilbourn, Woods, Vrla, Bellwood, Seeley, Townsend, Davidson, Barker, Latham, Largent, Stricklin, Akeson, Walton, Obert.

Meeting called to order at 12noon. Minutes of previous meeting were read and approved after minor corrections were made.

Treasurer's report read and discussed. Motion was made to accept the report as presented. Motion carried.

Committee Reports:

Awards: Walton reported Dick Gira and Ivan McCormick were not selected for Institute Awards. He is asking for input for nominations for Region Awards as well as Chapter Awards. The deadline is May 1.

Education: Stricklin reported the May seminar will be on "Principles of Spec Writing", Paul Edlund will lead this seminar. Information will be in both April and May issues of The Predicator.

Membership: Kilbourn reported a one month delay in printing the Chapter directory. There was no response to inquiry in The Predicator about dues for retired CSI members. The board agreed that the Chapter Policy would be to accept the proposal as follows:

"Upon request to the Board by Professional, Industry or Associate members who have been in good standing in the chapter for the past ten consecutive years and desire retired member status (according to Institute bylaws 'no longer engaged in income producing activities'), Portland Chapter will pay their Institute dues (presently \$20). The request must be made within a year following their last anniversary date as a Professional, Industry or Associate member. "

Kilbourn also wanted input on what information we want in the directory, as far as the service records are concerned; (past presidents, secretaries, treasurers, directors, etc., which amounts to a couple of pages). Board agreed to leave it up to Lee.

Dues are to increase \$10 at end of May.

Programs: Jacques reported Mr. Petter Moe on schedule for April meeting; May meeting not firmed up as yet. Nor is the June fun night.

Products Fair: John Barker and Bruce Townsend presented final details for the April 4 Fair. They also asked for a volunteer to "man" the CSI booth.

Publications: Seeley reiterated the 4/12 deadline for articles to be included in the May issue of The Predicator.

Publicity: Woods reported that press releases have been forwarded to newspaper.

Technical Documents: Obert stated his committee will have a meeting during the Products Fair. Will discuss the Floor Covering Contractors Report. Regular committee meeting at SRG partnership offices on 4/24. Will order a new Manual of Practice to store at CSI Library, as well as ASTM Standards.

Ad Hoc Committee Reports: Largent would like to receive many more Member Service Forms.

Region Director: John Greiner was elected Region Director.

Largent read nominations for next year's chapter officers and directors:

President Elect: Denny Latham, Jim Davidson
Board of Dir. (Prof.): D. Fisher, J. Stricklin, N. Jacques.
Board of Dir. (Ind.): R. Thompson, J. Brockamp.
Secretary: J. Woods, John Barker
Treasurer: G. Zagelo, J. Chorzempa.

Nothing yet on Tri Region Conference.

New Business: Mention of Leadership Conference on May 17-18, 1985 at SeaTac Marriott.

Meeting adjourned at 1:25 p.m.
Respectfully submitted: Inga Vrla, Secretary.

CONGRATS— John & Bruce

If you want to be left with a real good taste, order yourself a J & B. No I don't mean that popular beverage. J & B in this case stands for John & Bruce. Having participated in all the product shows put on by the Portland Chapter of CSI (and many others) I'm here to tell you these two guys did one great job. It was the best local CSI show to date and we've had some darn good ones. To all those that helped and participated and to John Barker and Bruce Townsend especially, thank you from the membership of Portland Chapter CSI.

Ed.

**WILLIAM
E
MERRITT**

Construction Law Issues

In This Issue

INCENTIVE CLAUSES

CHOICE OF LAW AND FORUMS

INCENTIVE CLAUSES

Traditionally, the Contractor's margin of profit depends on how efficiently he can organize his forces and build a structure that literally conforms to the end product demanded by the Owner. A Builder who realizes that work can be done more cheaply by using a different approach has little incentive to tell the Owner. If he does, the Owner will just issue a change order and lower the contract price accordingly. Not only will his profit not be increased but, if he is working on a cost-plus basis, it might well be reduced.

Federal Incentive Clauses

To encourage builder interest in lower cost alternative solutions, the Federal Government inserts incentive clauses, which

it calls "value engineering" clauses, in some of its construction contracts. These clauses give the Contractor part of the savings from contractor-suggested alternative solutions.

A fine example of value engineering occurred several years ago during the construction of a rock-filled dam. Most of the rock was to come from a Government-provided quarry on a high hill. The Government anticipated the Contractor would construct a lengthy haul road and an expensive bridge to get to the quarry. Instead, the Contractor proposed a conveyor from the quarry to the embankment. Not only did the conveyor move the rock more cheaply than trucks but, because the haul was downhill, it actually generated electricity for use elsewhere on the project.

Federal regulations require that bids be disallowed unless they exactly reflect the requirements of the Instructions for Bidders ("IFB"). Contractors who submit bids based on more efficient approaches will have them thrown out. The Contracting Officer will then have the option of accepting the lowest bid that does conform to the IFB, or, if he thinks the alternative solution a good one, throwing out all the other bids as well and re-advertising the job. Neither situation benefits the Contractor who suggested the change.

On the other hand, once a Contractor has been awarded the job he may negotiate with the government for the change without risking that the job will be taken from him. This situation can tempt a Contractor to underbid a job to get the work in the hopes that the government will then allow him a value engineering bonus when he shows it how to do the work more cheaply. The danger here is that the government won't bite and the Contractor will be forced to perform in the original manner at his low price bid.

Private Incentive Clauses

Incentive clauses are not limited to government contracting, but occur in private contracts and design contracts as well. However the clause is written, both

Incentive clauses for both contractors and designers should spell out the scope of the work in detail.

parties must be able to determine the savings from the change. This is a relatively simple matter with construction contracts because the parties need only compare the original bid price with the Contractor's bid or estimate for the altered work.

Incentive Clauses in Design Contracts

In design contracts, the problem of valuation is a good deal more difficult. The Designer and the Owner must determine, before the Designer begins work, what a building of the size and type the Owner wants should reasonably cost. This may be done by examining historic square footage prices, or obtaining ball-park estimates from Contractors familiar with that kind of work. Sometimes the incentive payment is figured on the difference between the Owner's budget and the actual cost of the building.

Since the Designer would be entitled to a percentage of the difference between the projected or budget price and the bid price, the Designer should keep in mind that the size of his bonus payment depends on the size of the actual low bid, and this bid will increase with inflation in proportion to the time elapsed between the estimate and the bid opening. The price the bid is calculated against must be similarly inflated so the two figures may be fairly compared. Also, the Designer will want to assure that the actual cost of construction includes only those items really attributable to construction. Construction cost should be as narrowly defined as possible and should not include, to name but a few, any sums for insurance, design services, bonds, surveys or tests.

Incentive clauses for both Contractors and Designers should spell out the scope of work, so that the Owner cannot increase the cost of the job, and reduce the incentive payment by adding to the scope of the project.

Although incentive clauses can be written for savings in areas other than cost, time or energy use over the life of the structure, for example, they are most commonly based on cost. Despite the fact that individual Owners may initially be suspicious of such clauses, suspecting they encourage substandard work, Owners have more to gain than Designers or Builders because Owners usually realize the larger percentage of the savings. An Owner who is properly approached by his Architect or Builder should be willing to include such a clause.

CHOICE OF LAW AND FORUMS

The resolution of contract disputes often does not hinge on how well the parties performed their duties, but upon the procedures they used in resolving the dispute.

In the absence of contractual language to the contrary, disputes involving private contracts are most often heard by state courts. Each state has different

only because it wants all of its contracts to have the same meaning, regardless of where they are performed, but because its law firm is familiar with the laws of its home state and can work with those laws more efficiently, and cheaply, in the event of dispute.

Again, a single project may involve an Owner, Architect, Contractor, Subs and Material Suppliers from different states. Since no party could be sure where an action would be brought, they might all want to agree in advance which laws would govern.

Changing the state in which a dispute is heard will often change the outcome.

rules of substantive law and of procedure, so changing the state in which a dispute is heard often changes the outcome of the dispute. For example, a number of states do, and some do not, enforce certain kinds of indemnity provisions or no damage for delay clauses. States have differing statutes of limitations and a cause of action which remains perfectly good one place may be barred somewhere else.

As a general rule, parties to a contract may, within limits, choose the law of the state under which their contract will be governed. Such choice of law will work to the benefit of a party who has located a specific rule which operates in its favor. For example, an owner might want its construction contract governed by the laws of a state in which all builders are required to warrant their work for a minimum of one year.

Because it is difficult to know in advance what elements of a contract will be disputed, choice of law provisions are more commonly used for the convenience of the parties to the contract than in an attempt to take advantage of differences between jurisdictions. For example, a large firm that uses its own standard contracts and does business in several states might want all of its contracts construed under the law of its home state. This would be so, not

Choice of Forum

Besides choosing the law to apply, the parties can also choose where the dispute will be heard. It is quite proper to choose a specific court as having jurisdiction over disputes arising under a contract. Moreover, such a choice of forum provision need not be consistent with the choice of law provision. A court in one state can apply the law of another state.

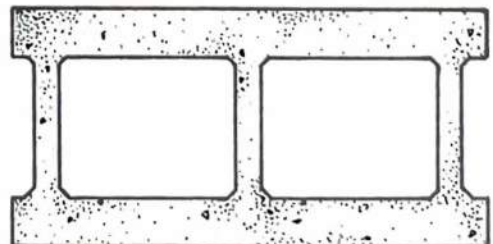
Choice of forum provisions are generally included for the convenience of the party who prepares the contract. This not only makes it easy for it to bring or defend an action, but can present a serious inconvenience to the other side which will be forced to travel to and from the place where the dispute is heard.

Choice of forum provisions are also useful in the sort of multi-party, multi-state situations that give rise to choice of law clauses.

For the same reason that choice of forum and choice of law clauses are useful to some parties, they will be detrimental to others. When presented with a contract that contains such provisions, one should consider the consequences if the relationship deteriorates into litigation.



CORPORATION, n. A device for obtaining individual profit without individual responsibility. -- Ambrose Bierce



BS by KS

Basic Specs by Ken Searl

Now that the election for Northwest Region Director is over I have several comments to make. (Did you expect anything less, making comments is in my contract.) In this last election three things are noted, one, both candidates were closely matched in both experience and business background and two, the Institute did not publish equal material on both candidates qualifications even though material was supplied and three, the Seattle chapter can control the voting due largely to its size. We will have both Directors from the same chapter.

It hasn't been too many years ago several members of the Seattle chapter were very vocal that they would never allow this to happen. Before I go any farther let me make one thing clear, there is no hint of complaint by me over the choice of Regional Director. I just don't feel we should have both Directors in the same chapter. Over the years we have had excellent Directors with one noted exception and he resigned after serving approximately one year.

Years ago the nominating committee met and came up with one name only for Regional Director. Several of us at that time felt that we should have at least 2 candidates and the Region did go ahead with 2 names on the ballot at that time. I must at this time back off and say maybe we shouldn't have done it that way but stayed with the previous method. As you know hindsight is 20-20 or better. If we do go back to the one person ballot then I have several recommendations. Better guidelines should be adopted for the nominating committee to help in their selection. For instance, do the candidates have the full support of their employer. If self employed does the candidate have the time and money to actually fulfill the duties. I do believe possible candidates should be made aware of the costs involved in being a Regional Director.

I've been told that the costs for a three year stint can cost from one to three thousand dollars right out of the Regional Director's pocket. If any of you previous Directors feel this is inaccurate pass along your cost quotations. The nominating committee should also ascertain the prospective candidates business abilities other than CSI, their knowledge of CSI at local, regional and national levels and activities such as involvement in politics, if a member of a design review board or other similar information.

It is noted that ballot information does not reflect employment history

and other noted qualifications. It is my opinion the the Institute acts too dictatorial in the matter of what and what not is permitted on the ballot. I firmly believe with our present system we are losing good prospects for nominations. The item of campaigning by nominees can be detrimental to both nominees and the voters. Under our present system it appears to me that people are taking sides, tearing them apart and any loser has the tendency to withdraw from future CSI activities.

In closing I feel we should re-evaluate the present method of Regional nominations and consider going back to one name for each position and revising present guidelines to include items mentioned above plus a requirement that no Director, either Professional or Industry can be from the same chapter unless there is no one else available. This would not apply in the case of an elected Director relocating in another region during the term of office. Please give this your consideration and if you agree in general voice your feelings at your Chapter and Regional levels.

IMPROVE ILLUMINATION IN VDT AREAS

Reflections from external sources can obscure the image on a video data terminal's (VDT) cathode ray tube (CRT). If the offending source is not obvious, it should be located by using this simple technique. Place a small mirror over the reflection on the screen, with the mirror held tangent to the curvature of the screen. The operator should clearly see the reflection of the offending source in the mirror. If the room contains only one VDT, a slight angular displacement of the set will usually solve the problem. If a VDT can not be moved to avoid window reflections, then the window's brightness must be controlled. Matte-finish venetian blinds, with the slats directing light to the ceiling, will help. If drapes are necessary, choose a uniform, unpatterned color, with a reflectance of approximately 30%.

Reflected walls might have to be subdued with a uniform color, and wall hangings might have to be removed. Pictures and other wall decorations can be blatant offenders, especially if covered with glass.

White, very light, or chrome-plated furniture can be troublesome. These finishes must be avoided on such equipment as telephones. Even a bright finish on the surface of the desk or table upon which the VDT rests can cause problems, as can large expanses of light colored floor tile.

Most ceiling mounted lighting equipment will cause reflections. Before the advent of VDTs, light systems were installed to provide visibility for ordinary desktop tasks. Louvered luminaires were suspended from the ceiling, or lens-bottomed troffers were flush-mounted in the ceiling. To avoid reflections on the CRT, it might be necessary to accept lower lighting levels than those enjoyed for regular office tasks.

Yet the problem is compounded by the light necessary for the manuscripts that lie adjacent to the keyboard. In fact, the keyboard itself, with its normally concave and specular keys, is subject to bright reflections.

It is best to put fixtures to the side of the VDT, but it is also necessary to plant the placement of work stations so that one terminal's lighting system doesn't interfere with the visibility of another. Controlling luminaire output by selective switching can reduce reflections, and currently available 24-volt systems make retrofitting an existing system simple. These systems will permit switching all lights in the room, selected rows of lights, individual luminaires and even individual lamps within fixtures.

Special filtering materials, called "circular polarizers", can significantly improve visibility by enhancing CRT contrast. Ambient, unpolarized light passes successively through these media, to the CRT surface, then back through the media. This changes the waveform and stops the reflected return of the ambient light.

Plant Engineering, June 28, 1984.

Seismic Conditions

Lateral floor bracing requirements need not apply to ceilings where the gypsum board panels are positively attached by screws or nails to metal suspension members and the ceilings extend to the walls on all sides.

Lateral floor bracing requirements apply to ceilings where the panels are not positively attached to the metal suspension members, ceilings which do not extend to the walls on all sides and ceiling systems providing lateral bracing for interior partitions.

I.C.B.O. research report #4071 is an evaluation report on suspended ceilings which not only explains what is going on with regards to lateral bracing but also shows details. Copies of that report along with other I.C.B.O. reports are available at the Bureau office.

N.W. Wall & Ceiling Bureau

Portland Chapter Leaders, 1984-85

President Betty Bellwood 231-5000
ext. 755

President Elect
Margie Largent 636-6977

Secretary Inga Vrla 635-6227

Treasurer Jim Davidson 226-3508

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Technical Documents,
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Awards, Don Walton 643-9491
Hospitality, Jack O'Brien 626-6400
Publicity, Joe Woods 232-4000
Membership, Lee Kilbourn 224-3860

corrections and additions?
please contact the Editor.

Region Responsibilities

Portland Chapter Members

CSI Appointee to American Arbitration
Association Regional Construction
Industry Advisory Committee:
Bill Merritt 223-8590

Region Directors

Arthur A. Nordling 509-838-8681
c/o Walker McGough Poltz Lyerla
West 244 Main Avenue
P. O. Box 1482
Spokane WA 99210

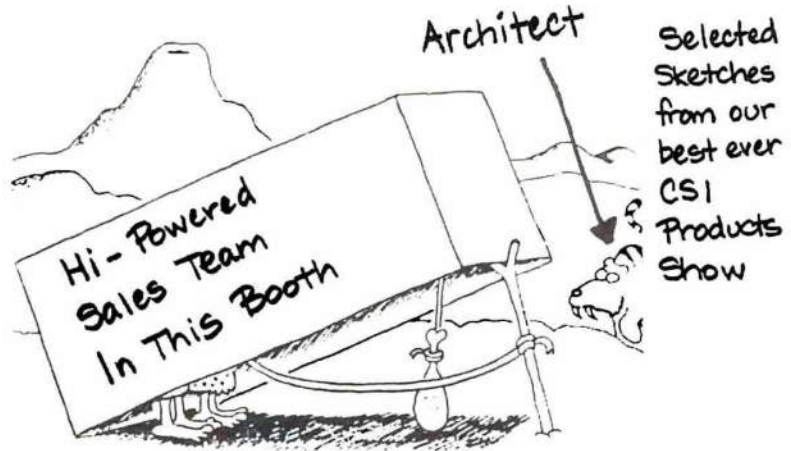
David E. Thomas 206-483-9388
c/o Thomas Architectural Products
8107 222nd S. E.
Woodinville WA 98072

BOARD OF DIRECTORS
MEETING AT NOON
Tuesday, May 7, 1985
CSI Office - Room 200
1125 S. E. Madison

Filosoficull Nonsense & Stuff



"No! - I can't be bothered to see any crazy salesman - we've got a battle to fight!"



"Shhhh, Zog! ... Here come one now!"

The Predicator

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THE PREDICATOR



Vol. 24 No. 10

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

June 1985

President's Corner by Betty Bellwood



IT'S BEEN A GOOD YEAR

It's been a stimulating and full year. I hope you share my enthusiasm for what we have accomplished and agree 1984-85 will be a year to remember. We started the year with two meetings with the past presidents regarding whether or not to pursue professional help with the Products Fair. We can now take pride in the results of that decision.

In every organization there exists a core group of aggressive individuals who don't know that gravity exists! They persevere! I have marveled at how much is being done each month. May I take this opportunity to collectively thank all those who have given generously of their time and expertise this year. The chapter operates almost totally on a volunteer basis. If it weren't for each of you, it certainly would not have been as enjoyable a year. I appreciate the spirit of cooperation and teamwork I have experienced.

The real payoff for me is that of personal growth. I've had to do things that are difficult for me.

Not since college has time been as precious. I've forced myself to use time frugally. Time is the most precious thing we have!

CSI JUNE CHAPTER MEETING JUNE 11, 1985

Neal has done his usual great job and arranged for us to use the Jenkins Estate in Aloha, Or. For those of you that have not visited this historic and beautiful estate you have a real treat in store. It is now a part of the Tualatin Valley Parks and Recreation system and you will find a lovely restored home and magnificent grounds. Neal has promised there will be a fire in the fireplace even if he has to lay and light the fire.

By this time you have all received your personal invitations from President Betty that reminded you that your reservation were required NOT LATER THAN June 3rd, 1985. This is your reminder to mark your calendar and to give you a second map just in case you misplaced the one with her invitation.

Main events will be chapter awards presentations and good times.

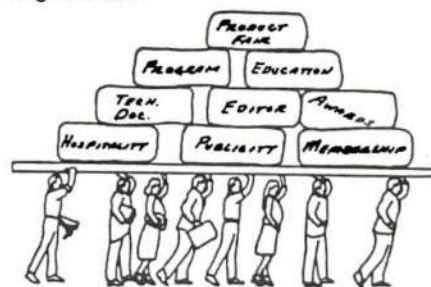
See PAGE 6 for your map to THE JENKINS ESTATE.

See you there.

Date--June 11, 1985
Place--Jenkins Estate
Time--5:30 P.M. 'till ?

If you have questions call the CSI office and ask Nicki or Jane. 238-1462.

I'll end this year as your chapter president with the same cartoon I began with:



With your help, the load was light!

Coming Attractions

June 21 through 23, 1985
CSI National Convention and exhibit in Orlando Florida.

Sep. 6 through 10, 1985
Tri-Region Conference.
See page 3 for details.

LETTER TO THE MEMBERS OF THE NORTHWEST REGION

Earlier this week, I received a letter of congratulations from the Secretary of the Institute. Today I received a second letter from the Executive Director relating similar sentiments. Thus it must be true, and the next three years will permit me to serve the full membership of the region at a new and exciting level.

There are a couple of items that need my immediate attention. First, I would like to commend all of those members who participated in the election process, and to thank those of you who supported my candidacy. It was an active campaign and much more involved than earlier historical notes may have indicated.

The second item is to congratulate Bob Klas and the Portland Chapter on a strong and assertive campaign. Such activities indicate a high level of responsibility within our region which reflects our commitment to CSI.

The real work is just beginning. I am committed for the next three years, to serve you, the membership of the Northwest Region. I will endeavor to perform the duties of this office in a manner that will strengthen and enlighten our membership and promote the good health of the institute.

Thank you again for your confidence.

Very Truly Yours,
John H. Greiner
Director Elect

NOTE: John's letter arrived after the May issue of The Predicator was ready to print even though the post mark was March 25, 1985. I guess the pony express pony stopped for a rest. ED.

Letter to the Editor

From Mr. Wil Dodge

Dear Editor:

It does seem as though Ken Searl takes some sort of impish pleasure in teasing and tormenting us Fire Marshals. Look what he has gone and done now! On page 5 of the April issue of The Predicator he has attacked the installation of fire damper assemblies and asserts "...fire dampers really don't do that much good..." He goes on to exclaim "...what we have here is a code that appears to be more intent on saving buildings than saving lives..."

Well now, I am not quite sure the code is more intent on saving buildings than saving lives; I can hardly subscribe to that proposition. However, it does seem to me as though buildings and other properties are worth saving. Few in the insurance underwriting business would disagree.

Fire dampers, while they may have some inadvertant relationship to life safety, were never intended to directly protect building occupants. The same holds true in the case of fire walls and fire doors. Their purpose and installation are primarily based upon economics. If one is to follow Ken's line of reasoning that only life is worth saving, let the building burn, it is doubtful that the fire insurance premium rate would be affordable. Even the national fire codes are promulgated by the National Fire Protection Association (an association of industry, by industry, for industry) are primarily standards, for the protection of property, with some exceptions to be sure. Nevertheless, any standard which promotes fire loss prevention does, in fact, influence the health, safety and welfare of society.

Before we dispense with fire dampers, let us take a look at where they are actually required by the regulations which prevail around this neck of the woods.

In the first instance they are required at HVAC penetrations of fire walls; i.e. area and occupancy separation walls (vertical structures) of two-hour fire resistance or less. Where walls are required to have a fire resistance of more than two hours, then fire door assemblies are required in HVAC penetrations. It is obvious here the fire damper serves to plug a breach in a barrier intended to prevent fire from passing from one space to another.

The second place where fire dampers are required is in horizontal exit walls. Horizontal exit walls are walls which "fire isolate" sections of buildings one from another. As in the case of area and occupancy separation walls, they are intended to prevent the spread of fire from one section of the building to another and their primary purpose is to provide a horizontal exit from one section of the building to another section of the building on the same floor level for the building occupants and thereby provide a sanctuary for a certain period of time (two hours minimum) from fire occurring within any given story of the building. Again, the fire damper assembly serves to plug a breach in the barrier to the passage of fire. To be sure, it does not stop the passage of smoke through the HVAC duct work; a point for Mr. Searl. A motor operated smoke activated damper would be more preferable and far more expensive. The code hasn't progressed that far yet.

The third place where dampers are prescribed is in HVAC penetrations of vertical shafts to prevent the passage of fire from story to story to story, obviously a necessity.

The fourth instance where fire damper assemblies are required is in HVAC penetrations of ceiling systems which form the fire-protective membrane for the structural elements and the floor or roof assembly above that ceiling. Here specialized fire dampers are needed which not only prevent flame from passing through the breach and impinging on the structural elements above but also have a certain degree of heat attenuation to lessen the intensity of radiation heat on beams, girders, joists, and so on; particularly necessary in the case of metal structural frames.

The final place where fire dampers are required is in the HVAC penetrations of fire rated corridor walls where the HVAC system has openings in the corridor. In this instance I have to again grudgingly agree with Mr. Searl. Probably by the time the fire damper assemblies close, the corridor system will be untenable due to smoke conditions. Again, motor-operated, smoke activated dampers seem to offer at least one solution. And, the HVAC system should be equipped with an automatic shutoff pursuant to Section 1009 of the Uniform Mechanical Code.

Regarding assertion that many times the project is nearly 90 percent complete and the Fire Marshal asks for more dampers, although notwithstanding what one may have been lead to believe, Fire Marshals

are not totally infallible; nearly but not quite. Nevertheless, there is little excuse for this issue to arise after construction has commenced. A careful examination of the HVAC plans during the building permit process should reveal at what location fire dampers need to be installed and the HVAC plans should be corrected prior to duct work installation. Indeed, experienced mechanical system installation firms are as cognizant of fire damper installation requirements (probably more so) as most Fire Marshals.

Are fire dampers useless when it comes to saving lives? Well, if you are on the tenth story and there's a helluva fire raging on the ninth story, and the HVAC grilles and diffusers are not fitted with fire dampers, and the bar joists are starting to get rubbery, I dare say one might have a change of opinion.

In any case, holes in fire barriers need to be plugged, one way or another. Since smoke activated dampers are not yet required, the old fusible link fire damper is the only thing we have going for us.

Respectfully,
Wilburn Dodge
Fire Prevention Officer
Washington County Fire District #1

Fire Resistance Design Manual Available

The 11th edition of the Gypsum Association's Fire Resistance Design Manual includes data for walls, floors, ceilings, and column and beam assemblies. It also provides detailed construction information and specifies fire and sound ratings. For a copy of the manual, write to the Gypsum Association, 1603 Orrington Ave., Evanston, IL 60201.

APWA Reporter. 3/85

Excusable Delays in Construction Contracts

An excusable delay clause generally aims to cover delays that are not the fault of either party to the contract as well as delays caused by the owner. The most common causes of excusable delays are labor disputes, unusually severe weather, and vandalism, as well as unusual delays in transportation and delays caused by second-tier subcontractor.

Construction contracts typically have two prerequisites to asserting a successful claim for such scheduling relief. The most common: the contractor must advise the owner in writing that performance of the

Continued on Page 5

Editor's Appreciation

This is where the editor of The Predicator uses his editorial license.

For those of you that have had the task (and pleasure) of being the editor of an organization's newsletter you will more fully understand the expression of appreciation that follows. For those of you that haven't, I suggest it. With the publishing of this issue we wind up a year of learning, work, fun and, on one or two occasions a small amount of frustration. Now there is time to really appreciate the efforts and concerns of people that care as much as you do about the accomplishment of a task. Without their help the job would have been immeasurably more difficult.

A fair analogy to getting the paper out would be something akin to tutoring your children for weeks to perform in the school play. Then you watch with trepidation as they appear on stage hoping and praying that they won't stumble or forget their lines. Or heaven forbid something worse. Well our clothes were a bit ruffled once or twice and we did forget our lines a time or two but thanks to some really swell people our "little darling" got through relatively unscathed. It seems only fair to mention the tutors and so here goes. ALL the persons mentioned were very instrumental in the preparation of our newsletter at one time or another and some on a constant basis.

Lee Kilbourn -- Too many things to mention them all.

Perky Kilbourn -- For word processing, article authorship, and advice.

Darlene Fast -- Paste-up.

Janet Styner -- Paste-up.

Mitch and Charley at ComGroup for printing, mailing, photocopy.

Chet Lundgren at LithoArt for printing.

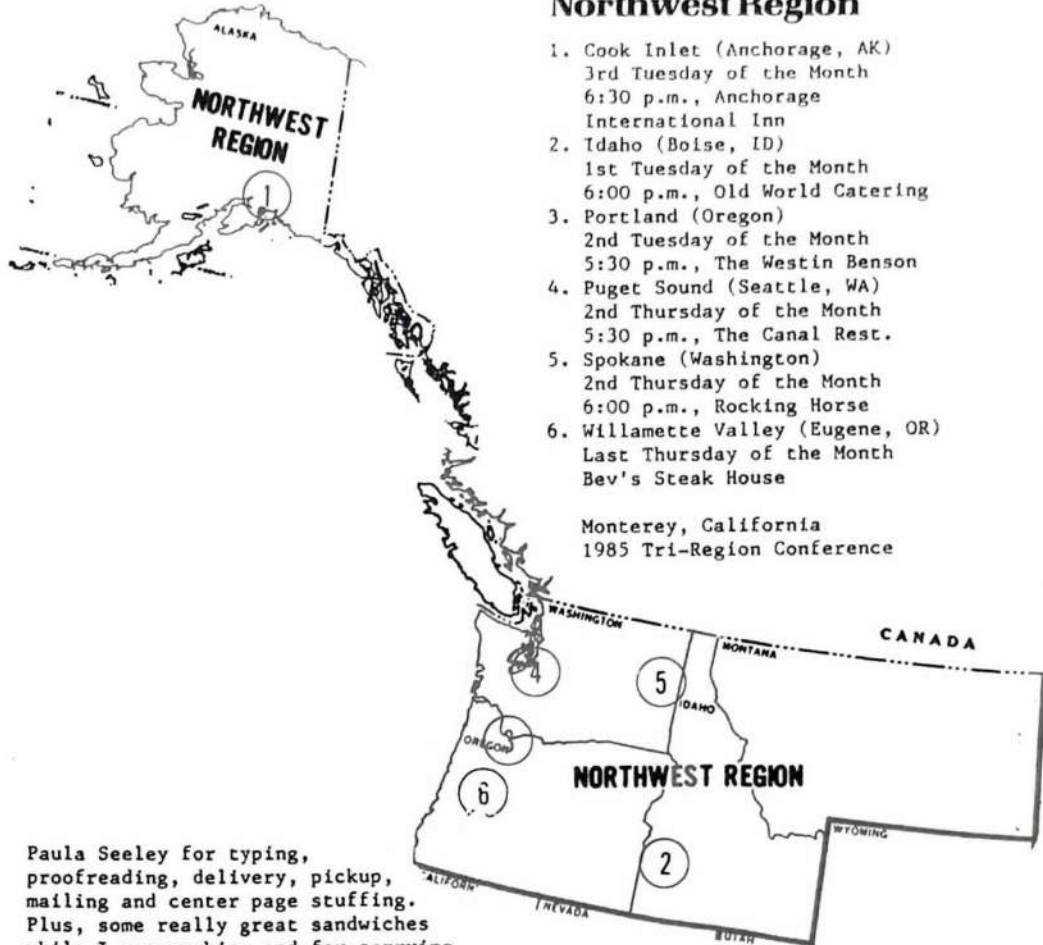
Ken Searl for his nationally known authorship of his now famous B.S. by K.S.

Feature articles by the following:
Jim Hirte of Colamette Construction
Ken Searl of WEGROUP

Marge Largent, Architect
Bob Klas of Ehmann and Associates
Howard Williams of Construction Specialties, Inc.

Lee Kilbourn of Zimmer Gunsul Frasca
Dan Johnson of Battleground School District

Wilburn Dodge of Washington County Fire District # 1



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
5:30 p.m., The Westin Benson
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

Monterey, California
1985 Tri-Region Conference

Paula Seeley for typing, proofreading, delivery, pickup, mailing and center page stuffing. Plus, some really great sandwiches while I was working and for carrying my work load at work when I was working on The Predicator.

Mike Seeley for stuffing, labeling, pickup and delivery.

Mary Boyd of Thompson Tile for a great December issue cartoon.

Curt Warner of the Manville Corp. for humor items.

Betsy and Vicki for being two of the most gracious receptionists in town.

Inga Vrla of National Marketing for always having the board minutes to us promptly.

Betty Bellwood of The Port of Portland for never being late with her "President's Message".

AND to all those persons that may have been inadvertently overlooked.

T-H-A-N-K-S Ed.

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 \$45.00 per person (including 3 meals) per day - depending upon choice of accommodations.

Northwest Region has prepaid \$5 for each attendee to hold space for 120 people from this region.

DETAILS

For more detailed information, call our Portland Chapter Liason, (Ken Searl) at 223-1181.

News Flash

The deadline for pre-registration for the CSI Convention in Orlando, Florida, has been extended from May 15 to June 7.

BS by KS

Basic Specs by Ken Searl

Have you noticed since the energy crunch of the 70's we have been told to conserve energy and I have read that we should develop alternate methods of obtaining power and one of these is hydro-electric. In Oregon it has been stated we have over 250 possible sites available. This sounds just peachy keen but locating a site is one thing and developing it is quite another. Every time someone suggests building a hydro-electric plant anywhere loud cries of No way Jose are heard at once from local or not so local groups or else you hear that the plant should be built elsewhere, not in their vicinity. It appears to me that civilization or at least civilization here in Oregon has reached a point of no-return and no-go ahead. I am not smart enough to come up with a solution but it looks like something should be done about this situation and in the near future. I don't think we can go on forever without building some new hydro-electric plants. If it changes the existing land where the project is located, so be it, keep in mind in most cases it will not create any problems other than visual; however there are groups out there that will disagree with this statement. It seems today we have too many people looking for causes to champion. By now you may be asking just what does all this have to do with specs and CSI. Probably not too much but I just had to get it off my chest. It seems we have so many more frustrations these days and this is one of them.

I have received news there is relief from some reports to Uncle Sam or at least as it applies to the US Department of Labor.

Under affirmative action, report form CC-257 is required on Federal projects showing utilization and goals. Prime contractors are obligated to notify the US Department of Labor of sub-contracts awarded without regard to locale. It is noted the Monthly Employment Utilization Report Form CC-257 is required in the Tri-County area, no where else in Oregon. Additional information is available by calling the US Department of Labor. The Portland office is located at 1220 SW Third, Room 627 and the telephone number is 221-4112.

Now to talk to you about the Western Tri-Region Conference to be held at Monterey California on Sept. 6-10, 1985. If you haven't received any information through the mail and want some let me know and I will send it at once. The weather is usually good at that time of year and there is a lot to do and see in the vicinity. They have been telling us to hurry

up and register by a certain time but I'll bet they will still have some space left for mugsumps and procrastinators. Tell them Ken sent you and that should get you some kind of fast treatment although I am not quite sure just what.

Make the Proper Connection

You can prevent a roofing tie-in failure. First, during specifying, the methods and materials for the tie-ins and cutoffs should be clearly defined. The use of hot bitumen reinforced with felt or fabric at the edge permits a puddling of bitumen that can effectively fill in the voids on the surface of an old built-up roof. It is also ready to resist wind tugging or rainwater as soon as it cools.

The physical contact between bitumen and the newly installed single ply is usually detrimental to the membrane's performance; so bitumen-contaminated film must be cut out and discarded. Naturally, these precautionary steps are time consuming and expensive. They will only be done if they have been specified. Area dividers (wood stringers or curbs the same thickness as the new roof insulation) can also prevent widespread lateral movement of water. If the area dividers are placed at equally spaced increments, each area can be separately drained. These curbs provide an easy seal-off and termination for both the insulation and single-ply membrane. In addition, should leakage occur, the area dividers can confine damage to a relatively small area. Area dividers can also hold back rubble and debris from the new roofing system, and they can physically separate two roofing systems, from each other.

RSI, 2/85

May Chapter Meeting

Yours truly found this particular meeting very informative. My laboratory has a security system which I set every evening. The laboratory has had a window broken recently so the alarm went off, but fortunately, they did not try crawling in through the window they broke.

Wilburn Dodge, Fire Prevention Officer of Washington County Fire District #1, was the first panellist. He has spoken to CSI meetings before as well as submitting interesting letters to the editor. His comments were most appropriate in that he discussed the problem of having an exit device so one can escape a burning building yet need an exit device that will not allow

undesireable persons to enter the building.

Jerry ZanRossa then showed us some devices for exiting - also known as fire control hardware. The key to fire control hardware is being able to push a door open easily so a group of people can get through the door and outside quickly. The three demonstration examples he had were:

- Panic bar - push to go through.
- Lever - pull lever down to go through
- Knob - turn knob to open.

If use electric doors for security, need some sort of back up in case of power failure. In an electric door building, when the power falls, essentially there is no security - system is wide open.

The final speaker was Grant Schmidt, who discussed security systems. Grant discussed the various systems Grant markets and the general reason why security systems are being purchased. Security systems are designed to make a person aware of someone breaking into a house before the person get into the house.

Grant's Manufacture recommends a two system detection plan. If both systems are triggered then there probably is a breaking and entry going on.

The meeting was then opened for general discussion and Neal Jaques advised that he had just installed a security system. Computerized security systems are coming soon. Ideally security systems should not depend on electricity but have some sort of battery backup. With a battery backup then the system is still effective even if there is no power.

All in all a fascinating meeting. But an expensive one for Portland Chapter of CSI because of all the no shows. Jim Davidson advised that there were 18 or 19 no shows. These people cost Portland Chapter of CSI \$132.00. There will be no facilities for taking credit cards for payment at the next meeting.

Chapter Election Results

President -----Margie Largent
 Pres. Elect-----Dannet Latham
 Secretary-----Joe Woods
 Treasurer-----Janelle Chorzempa
 Professional Board Members:
 Neal Jaques
 Jolie Stricklin
 Industry Board Members:
 John Brockamp

Congratulations to all. It looks as though our chapter will remain in extremely capable hands.

CSI Board Of Directors Meeting

May 7, 1985 Builders Exchange, Portland, Oregon

PRESENT: SEELEY, LUEY, BARKER, TOWNSEND, ROSS, DAVIDSON, BELLWOOD, VRLA, LARGENT, JACQUES, LATHAM, GIRA.

Meeting called to order at 12:10 P.M. Minutes of previous meeting were read and approved after minor corrections were made.

Treasurers report was read and approved.

Committee reports:

Awards: No report.

Education: Small turnout for upcoming seminar was a concern. Timing of notification of our seminars was discussed. It was suggested that we should consider less lead time on future notices. John Barker suggested researching the possibility of joint CSI/AIA seminars.

Hospitality: Betty Bellwood mentioned the need to re-negotiate with the Westin-Benson if we are to meet there next year. Consensus was that if prices could remain close to this year's, the chapter would prefer to stay at the Benson.

Membership: No Report.

Programs: Neal Jacques reported on our upcoming chapter meeting. The subject will be Security Systems with a panel discussion by Wil Dodge, Grant Smith and maybe Neal Jacques. Subject matter will include security versus safety and will get into residential installations time permitting.

The plans have been formulated for our June meeting which is our annual meeting and awards night. It will be held at the JENKINS ESTATE in Aloha, Oregon.

Products Fair: John Barker reported a \$2000 profit on the Products Fair. Not all bills have been paid but the projection seems safe. Every one agreed that the Products Fair was a real success.

Publications: Les Seeley reported that the person doing our paste up can no longer do them and he has obtained the assistance of someone else to take care of this duty. He and Paula will take care of the stuffing and mailing and will bill chapter for their time.

Publicity: Press releases were out on April 30, 1985, Joe Woods called his report in.

Technical Documents: No Report.

Ad Hoc Committee: Margie Largent presented her finished copy of Service Record Report. This should be of great assistance to future officers and board members. Margie asked that The Predicator include more information regarding attendance at board meetings, record of nominations to various positions - awards received, reports given or omitted during board meetings. No action taken. It is expected that action will be taken on this item next year.

Nomination: Dick Gira received ballots which had been mailed to the chapter CSI office and will announce the results of our chapter election at the next chapter meeting.

Tri-Region-Conference: Packets have been mailed and should have been received by everyone. Deadline for preregistration is quickly approaching.

Old Business: None

New Business: The Leadership Training Conference to be held on May 17 and 18, 1985 was discussed. Also mentioned was the registration fees for the national convention. Announced discounts are still available. Betty Bellwood asked for input to take to the Presidents Meeting at the annual convention.

Meeting adjourned at: 1:10 P.M.
Respectfully submitted: Inga Vrla, Secretary

Some Fire Doors have Counterfeit UL Labels

Underwriters Laboratories Inc. (UL) has announced that UL labels are being offered for sale in the United States.

The labels, which are attached to the doors, carry the wording, "Underwriters Laboratories Inc., Classified Composite Fire Door," but do not include a manufacturer's name or file number (an "R" followed by a series of numbers). The labels do include a fire rating and maximum rated temperature rise, and validity of which are questionable.

UL is seeking information on any fire door whose label is not brass and does not include a manufacturer's name or file number. Reports of suspect labels or requests for more information should be directed to Jim Velandar, Underwriters Laboratories, Inc., 333 Pfingsten Rd., Northbrook, IL 60062; phone (312) 272-8800. Ext.2750.

Plant Engineering 3/14/85

Continued from Page 2

work has been or might be delayed. Less commonly, the contractor must submit a statement describing the magnitude of the delay and any additional costs occasioned by the delay. Both must be done within a specified number of days after the delaying event.

Certain exceptions to these two requirements have been allowed: (1) substantial compliance with the requirement of written notice along with some written indication that the contractor was experiencing difficulty; (2) informal communications that give enough information to let the general contractor or owner know of the nature and extent of delays; (3) the owner's actual knowledge of the delay; (4) lack of harm to the owner because of lack of notice; (5) owner's waiver of technical requirement for written notice by considering claim for excusable delay on its merits. A contractor must prove that an event within the definition of the excusable delay clause occurred and that the event caused an actual delay in the contractor's performance.

Since the initial delay can cause subsequent delays, the contractor should carefully document the actual effect and duration of an excusable delay in a job site log. This is of the utmost importance in establishing a claim for an extension of time in a large project involving many subcontractors and suppliers. The delay may also increase the costs of performance and overhead. If the delay is compensable, the contractor must prove that the extra cost was in fact caused by the delay and that the costs were reasonable.

Good project scheduling is perhaps the most effective way to isolate the impact of a disruption. The critical path method (CPM) of scheduling identifies the most critical sequence of performance and schedules the remainder of the work around this "critical path" to achieve the most efficient work schedule. Delaying any activity along the critical path delays the entire project. When a delay occurs, a computer can recalculate the CPM schedule to show the precise effect of the work on the progress of the work. The computer can also work out the net effect on the project of two interrelated time delays. If the contractor maintains an updated critical path he will have ready-made documentation of the history of the project. The failure to update and maintain the schedule will render it useless.

U.S. Glass, Metal & Glazing, 1-2/85

Portland Chapter Leaders, 1984-85

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 President Elect Margie Largent 636-6977
 Secretary Inga Vrla 635-6227
 Treasurer Jim Davidson 226-3508

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 Publicity, Joe Woods 232-4000
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corrections and additions? please contact the Editor.

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Portland Chapter Members

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The Predicator

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