



THE PREDICATOR

Advancement of
Construction Technology

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

Vol. 27 No. 1

September, 1987

PRESIDENT'S COLUMN

By Curtis Finch



With this issue of The Predator, a new year is begun with a change of editorial staff. For the past several years the award-winning monthly newsletter of the Portland Chapter CSI has been very ably edited by Inga Vrla, who as president-elect, turned over the helm to the "Linda Bowman Trio" with Rochelle Geving and Trasi Hogenhout. Thank you, Inga, for a job well done!

Also, on behalf the Chapter, I wish to thank Dennet Latham for his fine job as President this past year, as well as the Board of Directors and Committee Chairs.

Near the end of June several of the Chapter members attended the CSI's 31st Annual Convention in Detroit. As this was my first CSI convention, I didn't really know what to expect. All in all I felt that it was a very worthwhile conference with a number of excellent program seminars and speakers. Possibly the most thought provoking speaker was Richard Lamm, ex-Governor of Colorado, who's topic was "Toward a Greater Future for America", in which he discussed current problems of an economy, social changes and the pitfalls which face the U.S. unless we "change our ways".

Sessions ran from about 8:30 until 10:30 am each day followed by a box lunch served in the exhibit area until the exhibits closed at 2:30 pm. The lunches were SRO, meaning "without seating", a feature not enthusiastically received by yours truly. After lunch the afternoon sessions didn't begin until 2:30 pm, leaving an abundance of time to visit the exhibit booths. The reason for the four hour lunch break is to give attendees as much exposure to the exhibits as possible. But about the third day, time begins to "weigh heavy" and in my opinion could be better used with repeats of some of the concurrent sessions as a mini-tour or two; which brings me to my other criticism of the convention. Each year the meetings are held in a different city, presumably to allow the attendees an opportunity to savor the various amenities of each community and its regional ambience. However, in Detroit there was not so much as tour of the downtown business district (except what could be seen from the 60th floor of the Westin Renaissance Hotel while scarfing down hors d'oeuvres and such...).

I must admit that what I saw of the Detroit area surprised me by its lack of slums and shabbiness, and made want for a better look at the architecture of the region and an opportunity to visit some of the outlying places such as Cranbrook Academy of Fine Arts and the GM Technical Center.

It seemed that there was an absence of "Architecture" in the convention, and that, after all is the final product of our efforts. While CSI shouldn't duplicate the AIA's convention, I would like to see a little more of the "C" in CSI.

PORTLAND CHAPTER MEETING SCHEDULE

Board of Directors - 1st Tues monthly.
Dinner Meeting - 2nd Tues monthly.

The Portland Chapter CSI newsletter, The Predator, is mailed at no charge to CSI members once a month. Additional copies are mailed to selected firms and organizations. Circulation is 900 copies. Deadline for newsletter contributions is the 3rd Monday of each month. The Predator is mailed the last day of each month.

☆ WARNING ☆

NEXT MEETING IS WEDNESDAY, SEPTEMBER 9TH, INSTEAD OF THE USUAL 2ND TUESDAY OF THE MONTH!



Donna Miller

Donna Miller, a dynamic professional speaker and trainer, is a communications and relationship specialist! She has several years experience in high level management, marketing, consulting, financial management, and training.

Donna's background includes teaching International Relationships at Buddhist University in Saigon, South Viet Nam, as well as extensive business and educational accomplishments in Hawaii, the San Francisco Bay area and the Pacific Northwest.

Donna is known as a speaker who will provoke your thoughts, jiggle your funny bone and wake you up! Don't miss this entertaining speaker on Wednesday, September 9th at the Westin-Benson Hotel.

Where: Westin-Benson Hotel

Date: September 9, 1987
5:30 - 6:30 Roundtable and social hour. No host bar.
6:30 - 9:00 Dinner and Program

Cost: \$15 per person. Friends, spouses and guests are always welcome.

RSVP: CSI Offices, 238-1462 by noon on Tuesday prior to the meeting.

Parking: Validated parking is available for \$1 at the parking garage under the Bank of California Building.

Board of Directors Meeting June 24, 1987

PRESENT: Finch, Latham, Brockamp, Barker, Largent, Vrla, Kehrl, Gira, Kilbourn, and Wilson

OTHERS PRESENT: Bowman and Geving

ABSENT: Obert, Stricklin, Townsend, Daniels, Jois and Shea

Meeting was called to order at 7:30 pm. Minutes of previous meeting were read and approved.

TREASURE'S REPORT: Obert absent. Finch expects to develop 87-88 Budget at the next Board meeting. Use of the Columbia Daily fund was discussed. Plans will be developed at Budget meeting. Needs mentioned include, convention expenses, attracting program speakers with credentials, guests meals, Products Fair seed money, CSI promotion. Construction Industry Library's desire is to have all publications received as a donation.

PRODUCTS FAIR: Interim report is "the fair produced a profit." Further report expected at the next meeting. Concerns include; conflicts with other product fairs, theme for '88, more dynamite seminars with vendor booths as an added benefit, profit on non-profit fair, region fair with region conference. Appointment of Product Fair advisory group, AIA involvement.

TECHNICAL DOCUMENTS: Wilson proposed idea of committee to work with the practice of producing specifications. Difficulty of specs that are bad and not enforced. A spec guide published by Bob Klas, and spec enforcement effort by Bob Klas. Latham suggested that seminars on spec writing are the best thing CSI can do.

PROGRAMS: Plan to have a committee with one person responsible for each monthly program. Vrla's plan is taking shape. Expected programs include Christmas Dance, January economic forecast, field trip, panel discussion, building maintenance.

Gira proposed a stronger CSI-AIA Golf Tournament with dinner meeting afterwards.

NEWSLETTER: Bowman and Geving have plans for The Predicator, including color change, enclosure ads, getting more people involved, and special welcome for new members.

EDUCATION: Jim Peterson will continue with Education Committee.

MEMBERSHIP: Steve James is committee chairman, report next month.

CERTIFICATION: Lee Kilbourn reports all Portland Chapter members taking April 1st exam passed and received certification.

AWARDS: No report.

LONG RANGE PLANNING: Finch recommended Portland Chapter plan for a National Convention. Request for Portland at first opportunity, appears to be 1996.

NATIONAL: Gira argues Portland needs more people on Institute committees. Institute has a new award to be given to a non-CSI person. It is awarded once every three years.

Meeting adjourned.

Respectfully submitted, John Brockamp.

BS by KS

Basic Specs by Ken Searl

Recently I received a copy of the CSI Administrative References dated June 1987. It is a very interesting publication and is about four times larger than when I joined CSI in 1966. As in general with most organizations, it seems the paper work and operating guides get larger and larger as the organization matures. This is no doubt as it should be, but, in my specification writing, I tend to get more brief as time goes on. This doesn't mean the total number of pages gets less because it seems we keep getting newer means and methods to describe.

One item of great interest is the CSI Code of Ethics which I think we can benefit by reading every now and then. Following is the CSI Code of Ethics:

Believing that honesty and integrity, high ideals and concern for the welfare of the construction industry are both desirable and necessary and in a sincere effort to promote the objectives of the Institute, members of the CSI pledge themselves to:

1. Establish and maintain high standards of professional conduct.
2. Freely interchange information and experience with members of the construction community.
3. Maintain confidentiality of privileged information.
4. Avoid conflicts of interest.
5. Avoid misrepresentation of products and services.
6. Promote improvement of construction communications, techniques and procedures.

You will note all items apply to both Industry and Professional members. As far as I am concerned, this Code of Ethics is a great guide that can be most beneficial if followed.

In reading through the new CSI Administrative References you will notice many items are covered. Among them are Institute Policy, Board Guide, Committees Guide, Awards Guide, Chapter Administrative Guide, Member-

ship, Technical and Educational Guides, Editors Guide, Program Guide, Publicity and Program Planning Guides and several others.

If any of you out there don't have access to the new references and would like certain sections, give me a call and I will send you a copy of whatever is needed.

One last item. On September 10, 11 and 12, the Cook Inlet Chapter is hosting our Northwest Regional Conference in Anchorage, Alaska. They are holding it in a new hotel on a lake where the lake is loaded with seaplanes. The weather should be great in September, so please give some consideration to attending this conference and then taking a side trip afterwards. As you may know, my favorite side trip is northward by bus to Glenallen, then down to Valdez, staying all night, then up early for a beautiful boat trip to Whittier via the Columbia Glacier. At Whittier, you get on another bus and the bus gets on a bunch of railroad flat cars, proceeds through several miles of tunnel and then goes back to Anchorage. (No, I am not connected with any tour bunch or any Chamber of Commerce.)

129 Pass 1987 CCS Exam

The Institute's Certification (CCS) Program, which recognizes exceptional experience, ability, and knowledge in the preparation of writing construction documents, is growing in popularity.

Last year 328 people applied for the program, 256 took the exam, and 92 passed. This year there were 334 applicants; 242 completed the exam with 129 passing. A significant increase in the passing rate was experienced; this year's passing rate was 53% compared to 35% last year.

R. Ray Totten was the only Portland Chapter member taking the April 1st exam which he passed with flying colors and received certification.

Successful Candidates of The 1987 Certificate Program Announced

The second CSI Certificate Program examination was given on April 4, 1987. The test, which is given concurrently with the CCS exam, is designed primarily for those who read and interpret construction documents. The program tests the applicants' knowledge and understanding of CSI recommended practices in the organization and preparation of the project manual.

This year's exam attracted 143 applicants. Of those applicants, 83 took the test and 56 passed, which constitutes a 67% passing rate.

The Certificate Program graduates from the Portland Chapter were Judie R. Clark and Richard Gira.

PROFILES

The Editors of the Predicator believe most members of CSI are interested in knowing more about each other. In this vein we would like to introduce you to three members that we think not only interesting, but are great assets to CSI.



Steve Miller

Steve Miller is a native Oregonian. He graduated from Portland State University with a B.S. in Geography.

For the past five years he has been an Architectural Sales Representative for Thompson Tile. His primary responsibility is to introduce spec writers to the specifics of tile application. One of his favorite projects is the Nob Hill Exchange, a retail space that uses a blend of five different colors of porcelain tile.

Steve is not a stranger to the construction industry. Both his father and twin brother are architects of Zaik/Miller Architects.

Steve is married with three small children and when he can get away, he likes to take his son fishing.

Steve joined CSI in 1986. As a member of the Portland Chapter Program Committee, he was responsible for organizing last years Christmas party, and more recently, the June program that was held at the Washington Park Zoo. Nice job Steve.



M.K. Kitty Myers

Kitty was born in Indiana, and raised in Tacoma, Washington. She received her B. Arch. and did her graduate work in Environmental Engineering at the University of Tennessee in Knoxville.

Kitty joined the Design/Build Division of Fullman Company where she developed a master spec system, (which is what prompted her to join CSI), and was the project manager for the BIOMED Facility at the Oregon Health Sciences Center. Since last March, Kitty has been a spec writer for Portland Public School District and is responsible for coordinating construction drawings and specs.

Along with her two children, her true love is watercolor painting and pen and ink work. She is often commissioned for private work and maintains a contract with a gallery in Chicago who displays and sells her work.

Kitty appreciates the challenge of writing specs and the process of organizing and communicating the needs of a project. She enthusiastically volunteered her time last year to help judge specs during the 1987 Specifications Competition. Kitty enjoys CSI and the feeling of comradery with other design professionals who share her interests.

R. Ray Totten

Ray is originally from Kansas where he graduated from the University of Kansas with a B. Arch. degree.

Ray is a spec writer at BOOR/A and was made an associate of that firm in 1986. He has been with the firm for ten years. Ray has worked on such projects as the Timberline Day Lodge (Wy'East), Shriners Hospital for Crippled Children, and the restoration of the Willamette Block Building.

Ray likes to spend his free time with his family, but often gets away for some winter camping and backpacking in the Mt. Hood area. He complains that inherently he invites novice hikers to come along and sees the same trails again and again.

Ray joined CSI three years ago and says he really enjoys being a member. He is the AIA representative for the Construction Library Committee and is the only member of the Portland Chapter CSI who passed the Certified Construction Specifiers' Exam this April, Congratulations Ray!

(Since this interview, Ray has joined the team at SRG Partnership)



SO LONG TO A GREAT GUY

Dennet Latham has taken a position with Heery International, Inc. based in Atlanta, Georgia. He will be part of a team that is developing a computerized specification system for McGraw-Hill called SweetSpec. He intends to maintain his Portland Chapter membership and hopes to stay in contact. The editors of the Predicator wish he and his family the very best.

Talking to the Animals - June 1987 Chapter Meeting

By Perky Kilbourn

After a delicious dinner, Dennet Latham convened the June, 1987 Portland Chapter CSI meeting and got underway presenting the 1987 Chapter Awards:

Polly Westover of the Multnomah County Library was honored with an award for her efforts to help make the Construction Library a reality.

The Construction Library Committee members, also received awards for their representation of the "alphabet soup group", the awards were presented to John Brockamp of AGC, George Batterman of CECO, Ray Totten of AIA and Candace Robertson of CSI.

Linda Cochran of Naito Properties received an award in appreciation for her efforts in providing the Portland Chapter CSI with a unique space to house the Products Fair.

Bob Klas and Don Walton were given awards for their successful completion and soon to be published Specification Guide Document on "Operable Partitions, 10650".

Yours truly (Perky Kilbourn) was then told that she was the "Volunteer of the Year" for submitting these meeting notes.

Betty Bellwood and Marge Largent were duly awarded for their great effort in researching and compiling a usable history of Portland Chapter CSI.

Ken Searl was recognized for his excellent monthly column "BS by KS" which stands for "Basic Specs by Ken Searl".



Inga Vrla received a special thank you award for her great effort in editing the Predicator for a second year. She was also given a special treat, a beautiful pen and ink drawing of an owl drawn by our own Trasi Hogenhout.

The Al Hanson Memorial Award was presented to Lee Kilbourn for his tireless contributions to the Construction Specification Institute at large. Lee also received a beautiful cut crystal bowl.

Special thanks were also given to Trasi Hogenhout for her work throughout the year as the Chapters Office Secretary and to Steve Miller for his organization of the evenings meeting.

Dennet then passed the gavel to Curt Finch, the incoming President, and Tom Shea awarded Dennet with the Presidents' Certificate.

At the close of the meeting, Steve Miller introduced Bob Porter, Construction Manager of the Washington Park Zoo (WPZ), who gave us an interesting talk about the changes and developments that have taken place at the WPZ during the past 100 years and what new exhibits Portland has to look forward to during the next few years. He then divided our group into two and led us through the Polar Bear and Sun Bear Exhibits.

Having not visited the WPZ for a couple of years, I was very impressed with both exhibits and feel that the bears appeared clean, happy and willing to put on a show for us. Apparently the zoo is trying to mate the two polar bears and my hunch is that they may be successful from the way the two animals played together. Though the elephants were not included in the tour, some of us did have the opportunity to visit the elephant house and take a look at Portland's newest baby elephant. Apparently the zoo keepers are getting very adept at playing cupid.

Lee and I would like to say THANK YOU for all of the support and fun that CSI has been over the last several years. We enjoy our awards and really feel like CSI is our second family.





The Presidents' Certificates of Appreciation went to Awards Chairman, Tom Shea; Program Chairman, Curt Finch; Hospitality Chairman, John Kehrl; Membership Chairman, John Brockamp; and Education Chairman, Jim Peterson.



Shop Drawings: New Court Ruling Casts Doubt on Architects' Stamped Disclaimers as Effective Protection From Liability for Their Content

By Richard E. Alexander

Over the past 25 years, design professionals have been increasingly exposed to liability for both the content of their plans and their administration of projects. One area of special interest has been architects' liability for the content of shop drawings submitted for review by contractors and subcontractors. Traditionally, architects have attempted to limit their liability in this regard by stamping shop drawings with a disclaimer. These stamps typically state that the architect has only reviewed the shop drawings for their general conformity with the overall plans. Further, the stamps disclaim any responsibility for the actual content of the drawings. For many years, this has been an effective technique to insulate design professionals from liability. A recent court decision, however, has cast doubt about the usefulness of this method not accompanied by specific language in the architect's contract with the owner stating that the architect has no duty with respect to the actual content of shop drawings.

This article examines three facets of this new shop drawing problem. First, the development of stamped disclaimers is briefly reviewed. Second, the recent case law casting doubt on the effectiveness of these stamps is reviewed. Finally, the topics by which an architect can best minimize exposure in this area is discussed.

The Development of Stamped Disclaimers

A particular area which design professionals have faced increasing liability in recent years is in the duty to administer the construction projects for which they have developed plans and specifications. Courts have held architects liable to both injured construction workers and building occupants based on their failure to exercise the reasonable care expected of a professional in the design field in administering projects. The key question in these cases has usually focused on whether the architects involved had a duty to administer the particular aspects of the construction which caused the plaintiff's injuries. In answering this question, the courts have looked primarily to the architects' contracts with the owners. If those contracts charged the architects with a duty beyond merely ensuring general compliance with the plans and specifications, courts have frequently found architects liable to foreseeable individuals who were injured as result of the architects' negligence.

In response to this expanding liability, architects develop the practice of stamping shop drawings submitted for their review with a disclaimer. The intent of these disclaimers was to make

plain that the architects were not undertaking responsibility for any errors in the shop drawings. Rather, the architects were only vouching for the general conformity of the shop drawings to the overall design concept. For a time, this practice worked extremely well in protecting architects from liability for errors in the content of these drawings. Yet, as will be discussed below, a recent court decision has now cast doubt on the use of a simple disclaimer stamp as a way to minimize liability.

Recent Case Law Casting Doubt on Stamped Disclaimers

Recently, the United States Court of Appeals for the Eighth Circuit issued a particularly troubling opinion on shop drawing liability in *Jaeger v. Henningson, Durham & Richardson, Inc.*, 714 F.2d 773 (8th Cir 1983).

The *Jaeger* case involved a suit by two construction workers who were injured at a building site against the architectural firm which designed the building. By way of background, Midland National Insurance Company of Sioux Falls, South Dakota, engaged Henningson, Durham & Richardson ("HDR") to design an office building. Midland National Life also selected Swift Brothers Construction Company as the general contractor. Swift Brothers, in turn subcontracted with Egger Steel Company to do the steel fabrication work. Finally, Egger Steel hired L.H. Sowles Construction company for steel erection. The two injured workers were employees of Sowles.

Midland National Life's contract with HDR required HDR to both prepare the overall plans and specifications submitted by the contractor. In this regard, their agreement provided that HDR was only to review shop drawings "for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents."

In the course of the project, Egger Steel submitted some shop drawings to HDR concerning a steel staircase. Although HDR's specifications for the stairs required 10-gauge steel for the landing pans, Egger Steel's shop drawings inadvertently called for only 14-gauge steel. HDR reviewed the shop drawings for their general conformity, and approved them. When doing so, HDR stamped "furnish as noted" on the drawings along with the following disclaimer:

"This review is for general conformance with design concept only. Any deviation from plans or specifications not clearly noted by the contract has not been reviewed. Review shall not constitute a complete check of all

detailed dimensions or count or serve to relieve the contractor of contractual responsibility for any error or deviation from contract requirements."

The stairs were indeed built with landing pans that used only 14-gauge steel. When the stairs were being installed, two workmen walked out onto one of the landing pans. It collapsed, and the workers were seriously injured. The two workers then sued HDR, contending that HDR was negligent in reviewing the content of the shop drawings for the stairs. A jury awarded the two men a combined \$285,000 in damages.

Although HDR appealed on several grounds, the Eighth Circuit upheld the award. In doing so, it specifically recognized HDR's negligence in failing to review the content of the shop drawings. The court ruled that HDR's duty to the workers in this regard stemmed from its responsibilities under its contract with Midland National Life. Moreover, the stamped disclaimer was apparently insufficient to block the liability that arose under the contract.

How Architects Can Best Minimize Their Liability for the Content of Shop Drawings

Obviously, in light of the *Jaeger* case, serious rethinking is necessary in the area of stamped disclaimers. Architects can no longer rely solely on stamped disclaimers for protection against liability of the content of shop drawings.

Three courses of action appear prudent to minimize the liability of design professionals in this area. First, the stamped disclaimers should continue to be used. Their use adds evidentiary strength to any case which actually goes to litigation. Second, the same disclaimer of liability for content found on the stamp should be incorporated into the architect's contract with the owner. This will make clear that the architect is not contractually assuming a duty for the content of shop drawings. Finally, for maximum protection, the construction contract with the owner should indicate that it is the general contractor's responsibility to both compare any shop drawings submitted with the architect's specifications and to review them for content. By delineating the respective roles of the architect and the general contractor in this way, responsibility for the content of shop drawings will be placed where they can most efficiently be evaluated.

Taken from Construction Law Newsletter, Issue No. 2, November 1986

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NORTHWEST REGION MEETING SCHEDULES

Cook Inlet (Anchorage, AK)
3rd Tuesday of month, 5:30 pm
Anchorage Int'l Inn.
Idaho (Boise, ID)
1st Tuesday of month, 6:30 pm
University Inn
Portland (Portland, OR)
2nd Tuesday of month, 5:30 pm
Westin Benson Hotel
Puget Sound (Seattle, WA)
2nd Thursday of month, 5:30 pm
Meany Hotel Towers, 45th and
Brooklyn, University District
Spokane (Spokane, WA)
2nd Thursday of month, 6:30 pm
at various locations 838-8681
Willamette Valley (Eugene, OR)
Last Thursday of the month,
5:30 pm at Bev's Steak House

Vietnam Veterans Memorial Project

On March 16, 1987, the Oregon Columbia Chapter of the AGC began construction of the Vietnam Veterans Memorial Project for the State of Oregon.

AGC's participation in this project as Project Manager moved the City of Portland to donate the land and approve construction of the project. In addition, AGC has stimulated increased interest in the corporate community to help raise the funds necessary to complete the project.

The estimated cost of this project is \$625,175. To date, contributions of cash, in-kind work, and pledges total over \$400,000.

Your support in building this highly visible project is needed and will be truly successful with your participation. Still needed are materials, labor, equipment, supervisory expertise and money.

For further information or details on how you can help, please contact Pat O'Brien, Project Coordinator at (503) 241-2875.

Puget Sound Chapter Meeting

By Perky Kilbourn

On June 11, 1987, Lee and I traveled by Amtrak to Seattle where we attended the Puget Sound CSI Chapter Meeting.

As frequently happens with Amtrak, there was a delay and we got to the meeting just in time for the program and had dinner afterwards with Seth and Colleen Jackson.

The program was excellent with a

discussion of Metro's tunnel -- the downtown Seattle Transit Project.

Rather than go with light rail, Seattle is constructing a tunnel under Third Avenue and Pine Street. Seattle has only five north-south streets through which it can channel all its downtown traffic. Elliott Bay and Interstate 5 prevent the expansion of the street system. The buses which use the tunnel will be dual-power diesel-electric vehicles. The vehicles will be regular diesel buses on regional highways and become electric power buses once they enter the tunnel. This conversion will eliminate diesel fumes and noise in the tunnel. As an avid bus rider, I was impressed at the ingenuity with which Seattle was solving their traffic problem.

After a good night's rest, Lee and I visited Anne Whitacre at Wyatt Stapper Architects and then Lee and Dick Alexander gave a seminar on the revisions to A201. We then returned to Portland by Amtrak on Saturday - a most enjoyable change of scene.

WANT AD

Program Committee

WANTED: Committee people to plan the programs for CSI dinner meetings. Knowledge of possible speakers and programs helpful, but not necessary. Positions offer some people involvement, acting as host/hostess, opportunity to polish speaking skills (introducing speakers, etc.). Dedication to CSI Portland Chapter a must! If you are interested in pursuing a career in volunteerism, please call Inga at 635-6227. We need to get ORGANIZED!

Building Tomorrow's Dream Today

The '87 Products Fair sponsored by the Construction Specifications Institute Willamette Valley Chapter will take place on Thursday, September 17 from 11:00 am to 6:00 pm at the Eugene Conference Center/Eugene Hilton. Architects, engineers, contractors, sub-contractors, manufacturers, suppliers, and representatives from allied industries are invited to review, discover and discuss the products and services offered by the many exhibitors from the construction industry at the '87 Products Fair. Free admission and a complementary sandwich buffet provided for attendees..... A few booth spaces remain. Call (503) 746-8231 or (503) 686-0217.

**PORTLAND CHAPTER
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Secretary, John Brockamp 655-9151
Treasurer, Dennis Obert 245-7802
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for Portland Chapter Members**

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Institute and Portland Chapter Dues for the year are as follows: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specifications Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon 97214

The Predicator

Editors, Linda Bowman and Rochelle Geving
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PRESIDENTS COLUMN

By *Curtis Finch*



Its that time of year again when the air has a nip of fall, the final days of summer sunshine are less aggressive than before and our attention is directed to inside activities for the next eight months or so. It also becomes a time when each of us decides the manner in which we will spend our non-working time and in which activities we will participate. It is apparent when one looks over the membership directory of the Portland Chapter CSI, that there are many members listed who have never become involved in the Chapter or who have drifted away from active participation.

Continued on Page 6

NEXT MEETING

Tuesday
October 13, 1987

SPEAKER

Dr. John Mitchell
Vice President and Economist
U.S. BANCORP

TIME

Roundtable and social hour
5:30-6:30 pm - No Host Bar
Dinner and Program
6:30-9:00 pm

COST

\$15 per person.
Friends, spouses and guests are
always welcome.

LOCATION

The Westin-Benson Hotel
Southwest Broadway & Southwest
Oak

PARKING

Validated parking is available for
\$1 at the parking garage under the
Bank of California Building.

RSVP

CSI Offices, 238-1462
by 10:00 am, October 12th

FORECAST FOR THE OREGON ECONOMY

The featured speaker for the October meeting will be Dr. John Mitchell who spoke to our group several years ago. For those of you who remember his talk, I'm sure you'll agree that he is very knowledgeable.

Before Dr. Mitchell joined U.S. Bancorp in 1983, he was a professor of economics at Boise State University. He was elected Vice President and Economist August 1, 1984 and Senior Vice President and Economist on November 1, 1986. Dr. Mitchell's responsibilities include analyzing and forecasting the economy, keeping management informed on the current economic situation and publishing the "Northwest Business Barometer", a quarterly economic newsletter. He is a member of the Oregon Council of Economic Advisors, the American Economic Association, the American Arbitration Association and is a past president of the Portland Chapter of the National Association of Business Economists.

Don't miss out on this chance to find out the forecast for Oregons' Economy!

CSI

WHAT'S INSIDE

- INDUSTRY NEWS
- MEMBER PROFILES
- LEIN LAW CHANGE
- FALL CALENDAR

PROGRAM COMMITTEE MEETING NOTES

The Program Committee met on September 24, 1987 at noon at the office of Margie Largent. Present were Carl Urben, John Kehrli, Dennis Obert, Roy Josi, Margie Largent and Inga Vrla.

The following people are interested in being on the Program Committee but were unable to attend this meeting: Bob Klas, Steve Miller, Dan Dishong, Arden Newbrook, Bob Lower.

Those present agreed to meet on the fourth Thursday at noon at the Builder's Exchange in the future. Next meeting is October 22, 1987.

Program assignments for the coming year are as follows:

- October 13, 1987 - John Mitchell, U.S. Bancorp, Economist
- November 11, 1987 - "An Evening with Frank Lloyd Wright" in conjunction with the Door & Hardware Institute.
- December 8, 1987 - Kirby Brumfield (Mark Twain) Christmas Party, TBA, Roy Josi.
- January 12, 1988 - PGE Energy Resource Center, Tualatin, Paul Jensen, catered dinner on site.
- February 9, 1988 - Jeff Harvey, Electrical Specialist "Electrical System Power Quality Considerations", Roy Josi, perhaps coordinate with Engineering Society.
- March 8, 1988 - CAD (Rerun from 1987) Carl Urben.
- April 12, 1988 - Asbestos, Steve Miller (with Andy Olson?).

- May 10, 1988 - In conjunction with Tech Committee, Bob Klas discussion on AIA Document changes and/or CSI documents.
- June 14, 1988 - Awards Night at Multnomah County Library.

John Kehrli will be in contact with the Westin-Benson about our dates.

-- *Continued on Page 4*

BS by KS

Basic Specs by *Ken Searl*

In Oregon there is a lien law change effective September 1, 1987 for all construction that begins thereafter. First change is time allowed for filing a lien. New law requires liens to be filed within 75 days after the person claiming the lien has ceased to provide labor or furnish materials, or within 75 days after completion of construction, whichever comes first. Under the old law, lien claimants had 90 days to file the lien.

Second change increases the stakes involved with the filing of a lien. Heretofore there was little risk involved in filing a lien., even if the person filing the lien knew it was unfounded. In the new law, the person against whom he lien is filed can demand release of the lien. If the lien claimant refuses to release the lien within 10 days, and then fails to actually file a lien foreclosure lawsuit within the 120 day time period, the owner of the property would then be entitled to a \$500 penalty from the lien claimant, in addition to any other damages.

On the other side of the coin, if the owner demands the release of the lien, and the lien claimant refuses and then proceeds with and

prevails on a foreclosure action, the lien claimant will be entitled to receive an extra \$500 in addition to whatever attorney fees and other amounts awarded. Intended effect of this new \$500 penalty provision is to decrease the number of frivolous liens that are filed. It appears to me this is a step in the right direction but the figure should be more in the vicinity of \$5000.

Several minor adjustments have also been made in the lien law but the above changes are the most important.

As some of you may know, I have said for a long time that the two most noticeable trouble makers are finish hardware and roofing. In the July issue of The Construction Specifier there is an article in Spec Talk regarding pitch pockets and the problems resulting from the use of pitch pockets. If you haven't read this article, I suggest you do so. We had one re-roof project on a large office building that had a steel handrail system slightly inboard around the edge of the building that was several years old and had been leaking for a long time and they never could find the leaks. Well guess what, when the building was re-roofed, we eliminated the pitch pockets, (over 400) and upon inspection it was determined approximately 50 percent had been leaking. The original installation located the handrail posts down to the metal deck.

Another roofing problem that is a dirty stinker, is placing of air conditioning units down close to the deck with not enough room for roofing repairs if necessary. If these units must go on the roof, and economy usually dictates they do, install them on curbs with flashing around the curbs.

Believe me, this may cost a trifle more, but sure saves lots of money later in roof repairs.

PROFILES



Steve James

Steve says he grew up a corporate brat. He came to Portland through a football scholarship at PSU to play as an offensive lineman under the great Mouse Davis. Steve graduated from PSU in 1978 with a B.S. in Business Administration.

Steve has been with W.R. Grace for five years, and is the western region Territory Representative. He is a state certified instructor for ICBO, and teaches classes which train State building officials.

Because Steve enjoys the challenges of commercial roofing, he says one of his favorite projects has been the Epson Computer Plant in Hillsboro. He particularly enjoyed this project because of the good design, good installation and the product was specified correctly.

Steve's wife Laurie is a sales representative for Empire Pacific. They have a 19-month old son and another child on the way. Steve loves sailing and scuba-diving and tries to get away at least once a year for an adventure. He has dived in Mexico, Florida, Hawaii, and last April had the incredible experience of diving 115-feet to a sunken ship off Catalina Island. He and his wife recently completed restoration of their house, a six year project.

Steve joined CSI in 1982. He is this year's Membership Committee Chairman and for the past two years has helped judge specs during competition.

Bob Lower

CSI welcomes new member Mr. Bob Lower to its Portland Chapter. Bob has been in the floor covering business for 40 years, and comes to us from Twin Falls, Idaho.

Bob is currently employed by Don Frank Company as a commercial estimator. He handles the majority of work for Providence Hospital, one of his favorite clients. A few projects Bob has worked on have been the Montgomery Park building, a 129-unit rest home on Barnes Road and Centerpointe on Kruse Way.

When we asked Bob why he joined CSI, he stated that John Brockamp twisted his arm and Jim Davidson had been after him for so long, he finally gave in! Good work boys! Actually, in joining CSI, Bob says he hopes it will lead him to more business knowledge and a better understanding of the industry, plus a chance to meet architects, contractors and subcontractors within the construction field.

Bob and his wife Betty have three daughters and two step-sons, and are very active in their church.



John Dalrymple

John was born and raised in Boise, Idaho.

John is a security products consultant for Pacific Hardware and Specialties, Inc. He writes specs and offers consulting services for architects and owners. He thinks the hardware industry is on the brink of a tremendous change regarding the use of electronic hardware versus mechanical hardware.

John's wife Cindy is the head of the Math Department at Lincoln High School. During their leisure time, John and Cindy like to hit a few at the Raleigh Hills Racket Club.

John says he joined CSI because Lee Kilbourn was breaking his arm, although he would probably have joined anyway. He feels the main mission of being in the representative field is educating his clientele and thinks the industry is enhanced by educated clients and competitors.

John serves on the Long-Range Planning Committee for the Door and Hardware Institute. He passed the CSI Certificate Program exam in 1986, and thinks that this a very important program.

SEPTEMBER DINNER MEETING

By *Perky Kilbourn*

The Portland Chapter CSI kicked-off the 1987-88 year with a new and different type of program for its September meeting. By following the lead from the 1987 CSI National Convention (this year's theme being "something for everyone"), the evening speaker was Ms. Donna Miller.

Ms. Miller is a communications and relationship specialist who offered a dynamic presentation of "Conflict Resolution". She began her talk by explaining how she became involved in Asian studies and entertained us with some incredible personal experiences while she lived in Viet Nam. She then proceeded to give us an insight to her teachings of communication and relationships. Her theory on conflict resolution is very similar to the grieving process of losing a loved one. It went as follows:

In order for a conflict to be resolved, the person who is angry and blaming needs to experience, not necessarily in order, the following five steps:

1. Anger/blame
2. Hurt/unappreciated feelings
3. Fear/insecurity
4. Personal accountability
5. Resolution/love/reconnection

Most people, including myself, address conflict by counter-attacking, being defensive, trying to pacify or gloss over the conflict, acting hurt and keeping quiet, cutting-and-running (or avoidance), trying to explain away the conflict or a dozen other techniques that usually don't work

and if anything make matters worse.

One of Ms. Miller's suggestions, to ensure the blaming person that you are really hearing them, was to physically step aside and use positive body language.

Ms. Miller concluded her talk with the Asian method of making the world a better place: 1) perfect oneself, 2) nurture ones family and 3) serve your community, and the world will take care of itself. (Food for thought!)

Calendar of Upcoming Events

OCTOBER

Board of Directors Meeting,
10/6/87

Dinner Meeting
Dr. John Mitchell, "The Oregon
Economy", 10/13/87

NOVEMBER

Board of Directors Meeting,
11/3/87

Spec Competition Deadline,
11/3/87

Dinner Meeting featuring Mr.
Lyman Shepard as "Frank Lloyd
Wright", 11/11/87

Architect's Employment Clearinghouse

The Louisiana Architects Association, AIA, is offering to serve as a national employment communications center for architects seeking employment and firms seeking to fill architectural positions. CSI members may submit employment information without charge to Architects' Employment Clearinghouse. For information, call 1-800-387-2359.

Portland Chapter Meeting Schedule

Board of Directors - 1st Tuesday monthly. Dinner Meeting - 2nd Tuesday monthly. The Portland Chapter CSI newsletter, The Predicator, is mailed to selected firms and organizations. Circulation is 900 copies. Deadline for newsletter contributions is the 3rd Monday of each month. The Predicator is mailed the last day of each month.

PROGRAM COMMITTEE MEETING NOTES

--Continued from Page 2

there. Nothing was decided as far as changing our hotel facility.

There will be more discussion about the March-April-May slate next month. Dennis Obert will contact Education Committee about coordinating some meetings with an educational seminar. Selling to Professionals was one possible subject that was mentioned.

Inga will contact Don Walton about his possible willingness to videotape our meetings.

Need to coordinate May meeting with the Products Fair. Consensus was to have the Dinner Meeting separate from the Products Fair and definitely not on the same date.

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THORO RACQUETBALL PLASTER – Cement-base, impact resistant finish for concrete.

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THOROBOND – Bonding agent for concrete & plaster.

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THOROCLEAR SPECIAL – Water repellent for limestone.

THOROCOAT – Non-cementitious smooth and textured coating for concrete & masonry.

THOROCONCRETE – One component resurfacing & patching material for concrete.

THOROGLAZE – Clear sealer for new & old concrete; exposed aggregate panels.

THOROGLAZE H – Clear, glossy sealer for concrete; exposed aggregate panels.

THOROGRIP – Waterproof anchoring cement for concrete & masonry.

THOROLASTIC – A flexible, high build, elastomeric finish for concrete, masonry and stucco.

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THOROSEAL – Heavy cement based waterproof coating.

THOROSEAL BEDCOTE – Cementitious bedding material.

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THOROSEAL PLASTER MIX – Cement-base waterproof texture coating.

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The Construction Specifications Institute
Portland Chapter Inc.
1125 SE Madison No 200
Portland OR 97214

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INDUSTRY NEWS

Revised A201: More Accountability for Payment

Significant changes appear in the rules governing most private construction. These changes involve payment, change order, and claims procedures as well as insurance and indemnification.

The 1987 AIA General Conditions still provide payment for stored materials and equipment delivered and suitably stored. The revision changes payment procedures by requiring the contractor to furnish supporting back-up data (for example, copies of actual subcontracts and major purchase orders) to verify the accuracy of the schedule of values and application for payment.

Article 9.6.3 gives subcontractors the right to obtain information directly from the architect regarding their percentage of completion or amount applied for by the contractor. The contractor can also ask about action taken by the architect and the owner on account of portions of work done by the subcontractor.

When the work or a portion of it is substantially complete (defined as the stage when the owner can occupy or use the work for its intended purpose), A201 requires the contractor to prepare a thorough list of items still to be completed. Architects must inspect and owners must pay, reflecting adjustments in any retainage at substantial completion. Article 9.10 governs final payment, making it subject to numerous conditions: acceptable inspections, payment affidavits, and effective or completed operations insurance.

Modifications to the change order procedure (in the form of an immediate construction change

directive, new, in some cases, allow interim cash flow payments to the contractor pending resolution of the final change order. This prevents situations where a contractor performs changed work and was out of money, but could not process change for payment before settlement and issuance of a formal change order.

A significant change in the recognition of damage claims allows the contractor to make claims for increased contract time but also makes him include a cost estimate of the delay's probable effect on work progress.

Revised forms include A101, A107, A111, A117, A201, A401, A511, A701, B141, B151 and C141.

---Adapted from *Conspectus* (Cleveland Chapter Newsletter), 6/87, The Subcontractor, 7/87

PUBLICATIONS

New Asphalt Rubber Specification Under Production

The asphalt Rubber Producers Group is publishing a generic specification for asphalt-rubber membranes using two asphalt-rubber mixtures. Method A uses an oil extender added to preblended asphalt cement and rubber. The extender improves viscosity and wetting quality, resulting in a smooth mixture. Method B adds rubber to hot asphalt cement, then mixes it and adds kerosene to dilute the mixture and improve viscosity and wetting qualities. Because this method uses larger rubber pieces, the mixture is more coarse.

The methods, in the hands of alert personnel, can be adjusted to fit a perceived need. Obtain a copy of

the new specification by writing the Asphalt Rubber Producers Group, 3336 N. 32nd St., Suite 110, Phoenix, AZ 85016.

---*The Rebounder*, Spring 1987

MARKET INFORMATION

Offering Telecommunication Design to Your Client

Deregulating the telephone industry has created opportunities for electrical system designers. Standard electrical specs can be modified to include telephone cable, telephone outlets, and terminal blocks. Providing these options to clients allows new facility owners to take advantage of competitive bidding. In one geographical area surveyed, for example, electricians installed for \$20 what the telephone companies charged \$60 to do.

AT & T breakup left the field open to other equipment suppliers. An electrical system designer can serve as a consultant to assist clients in selecting a telephone supplier; on the designer falls the task of coordinating various suppliers and their responsibilities. After interviewing the client, drawing up a proposal request, and reviewing responses, the consultant recommends one system supplier to the owner. Then the owner and designer tackle wire management, data distribution, video distribution, and network integration.

Current thought runs toward standardizing a building's numerous and independent communications systems, even to providing standard outlets into which you can plug any communication device you choose.

--Continued on Page 6

The interaction of these systems (telephone, data, security, fire alarm, video, automatic temperature control, energy management, and audio) promoted the "intelligent building" concept which surfaced about the same time as phone deregulation, but, which is now undergoing "re-visioning."

Accepting the information challenge connected to advances in telecommunication can provide new and lucrative design options for the electrical systems designer--and keep him on the leading edge of that old constant, change.

Electrical Systems Design, 5/87

An Evening with FRANK LLOYD WRIGHT!

Plan ahead to attend the November joint meeting of the Portland Chapter CSI and the Oregon Chapter Door & Hardware Institute for an evening of great entertainment. Rixson-Firemark, Inc. presents Mr. Lyman Shepard as FRANK LLOYD WRIGHT. Wednesday, November 11, 1987 at the Red Lion/Lloyd Center.

PRESIDENTS COLUMN

--Continued from Page 1

It has always been my belief that one benefits from any organization only in proportion to the time and effort put into it.

I therefore urge all of you to make a renewed effort to attend meetings, offer your talents and abilities and a little time by volunteering for a committee position.

Enclosed in this issue of The Predicator is a list of committees and their leaders. Sign up for one, fold it over, stamp it and mail it today! If you have any questions about a committee, pick up the phone and call the leader. He'll be glad to help. Most importantly, get involved, come to meetings, and make a great organization even better.

Nation's First Public Construction Library

Multnomah County Library hopes to give Oregon's construction industry a boost with a project that could become a model for other industries and for libraries everywhere.

A special library-within-a-library, to be known officially as "the Construction Library" will house specialized up-to-date construction industry information--facts, figures, manuals, standards, specifications, codes, regulations and much more.

Contractors, builders, architects, engineers and others will be able to have access to the Construction Library catalog through computer-generated book catalogs located in construction association offices and other centers throughout Oregon--or visit the Construction Library in the Science and Business Department of Central Library, 801 S.W. 10th.

The first-of-its-kind project is the result of joint efforts by the Oregon-Columbia Chapter of the Associated General Contractors, the Consulting Engineers Council of Oregon, the American Institute of Architects Portland Chapter, the Portland Chapter Construction

Specifications Institute and Multnomah County Library. Portland General Electric has also advised on the project.

"Representatives of Oregon's construction industry approached the (Multnomah County) Library because they needed a central collection with a trained staff to maintain the collection and assist users," says Polly Westover, senior business librarian and Construction Library coordinator. Industry members offered to provide regularly updated materials as well as free workshops for workers and the general public on how to use the available information.

Multnomah County Library will use a federal Major Urban Resource Library grant for \$28,000 to help fund the project, according to Tom Olson, head of the Science and Business Department. The Grant will not only allow purchase of computer hardware but will also fund the additional staff needed to catalog the large number of materials, Olson said.

The Construction Library has already received over \$16,000 worth of current materials from more than 80 construction associations across the U.S. These associations were honored at a dedication ceremony on September 28 at the Central Library.

Library staff members expect the project to have a success rate at least equal to that of the Federal Government Procurement Center, which opened in the Science and Business Department in July of 1986. The Center, an information resource center for businesses that wish to sell their products to the federal government, has resulted in over \$13.5 million in successful bids for Portland-area businesses during its first year.

ARCHITECTURE IN OCTOBER

A special collection of events in October, 1987; stretched to include five Mondays and a laugh.

September 28, Monday, 7 pm
Kick-off of the "America By Design" series broadcast by PBS. Mayor Bud Clark will proclaim "Architecture in October" at a reception prior to the showing of the first of five programs to be broadcast nationally. After the program entitled "The House," there will be a discussion on the subject of local housing design issues. The public is invited. Northwest Natural Gas Co. Building, 4th Floor, 220 NW Second. Moderator: Dale Farr, AIA.

October 5, Monday, 7:30 pm
Second "America By Design" program. Social half-hour beginning at 7:30 pm. Video at 8-9 pm. Discussion on the theme of this week's program, "The Workplace", will take place after viewing the program. Public is invited. Northwest Natural Gas Co., 4th Floor. Moderator to be announced.

October 12, Monday, 7:30 pm
Third "American By Design" program. Same times as mentioned above. Program and discussion theme, "The Street". Public is invited. Northwest Natural Gas Co. Building, 4th Floor. Moderator will be Jon Schleuning, FAIA.

October 17-19
PORTLAND CHAPTER
ANNUAL DESIGN AWARDS
PROGRAM

Saturday, October 17, 7pm
A slide-presentation and discussion by the Jury about their architectural work. Northwest Natural Gas Co. Building, 4th Floor.

October 18, Sunday, 6:30 pm
Crit Session, Northwest Natural Gas Co. Building, 4th Floor.

October 19, Monday
Design Awards Banquet & Awards Presentation. Westin-Benson Hotel. Details will follow.

October 20, Tuesday, 7:30 pm
- A taped repeat of the "America By Design" program, "Public Places", which aired on October 19 in conflict with our Design Awards banquet. Social half-hour at 7:30 pm. Program 8-9 pm. Discussion following. Northwest Natural Gas Co., 4th Floor. Public is invited. Moderator will be Doug Macy, Landscape Architect.

October 26, Monday, 7:30 pm
- Final program of the "America By Design" series, "The Shape of the Land". Northwest Natural Gas Co. Building, 4th Floor. Public is invited. Moderator to be announced.

October 30, Friday
Pumpkin Carving Contest, Pioneer Courthouse Square. Architects and school kids.

September-October
Architectural Photography Contest. Entries to be displayed during the month of October in the Architecture Gallery, Al Edelman, Chairman.

The Grand Finale
An Architecture Roast at **The Last Laugh** with three humorists. All members of the construction community are invited to join the fun on Monday evening November 2nd, 426 NW Sixth Avenue at 7:30 pm. Admission is only \$5 per person. Bring your spouse, friends and colleagues!

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To foster a common understanding of the language and principles used in construction documents, CSI has developed its Certificate Program. It tests your understanding of the terms and procedures used in the contract conditions and specifications. Those who pass this examination will receive certificates of achievement from CSI.

Examination for the Certificate Program will be given April 9, 1988. The deadline for application is January 15, 1988.

For additional information

CALL

Manager, Education Programs
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Advancement of
Construction Technology

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Institute and Portland Chapter dues for the year are as follows: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specification Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editors, Linda Bowman and Rochelle Geving
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NEXT MEETING

Wednesday
November 11, 1987

SPEAKER

Mr. Lyman Shepard as
FRANK LLOYD WRIGHT

TIME

No Host Bar - 6:00 pm
Dinner and Program
6:30 - 9:00 pm

COST

\$16 per person.
Friends, spouses and guests
are always welcome.

LOCATION

The Red Lion Inn/Lloyd Center
1000 NE Multnomah

PARKING

Ample Off-Street Parking is
Available

RSVP


No later than Friday,
November 6, 1987.
Kat Larsen 223-4730 or
Nancy Tice - 284-0122



An Evening with Frank Lloyd Wright

The Portland Chapter CSI will join the Oregon Chapter of the Door and Hardware Institute as Rixson-Firemark, Inc. presents Mr. Lyman Shepard as Frank Lloyd Wright.

Mr. Shepard, retired, a native of Oak Park, Illinois and Architectural Historian is well known for his dramatic impression of Frank Lloyd Wright.

Mr. Shepard's interpretation of Frank Lloyd Wright's long, provocative and sometimes stormy architectural career and, often times, melodramatic personal life provide a stimulating view into the great architect's many faceted personality. Frank Lloyd Wright was an architect and a designer. He was a believer in the American traditional family and, most of all, a catalyst for a new form of architecture - The Prairie House. Mr. Shepard's depiction of Frank Lloyd Wright is done in full, authentic costume and his historic slides bring into focus this unique man and his time. 

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- MEMBER PROFILES
- NEWS FROM ANCHORAGE
- INDUSTRY PUBLICATIONS

Board Report

Minutes of September 1, 1987 Board of Directors' Meeting

Present: Finch, Vrla, Obert, Josi, Shea, Peterson, Brockamp and Largent.

Absent: Wilson and Kehrli.

The meeting opened at noon and July minutes were approved as read.

Treasurer, Dennis Obert: The July report and the interim current report were reviewed and approved. Obert and officers will continue to work with the budget and propose a balanced budget for the Board's review. Concerns expressed included:

1. A need for a larger cash reserve for the Products Fair.
2. Ideas to increase revenue, options may be educational seminars, chapter dues increase, publicize master format to increase sales.
3. Increase meal charge to partially pay program expenses.
4. A products fair every other year was discussed and the loss of income caused concern.
5. Profit from The Products Fair may be viewed as an unfair membership cost to firms supporting the fair with booth rent, etc.

Programs, Inga Vrla: October program is John Mitchell of US Bancorp, Economics and Oregon Economy. November program is an evening with Frank Lloyd Wright by Lyman Shepard.

Liaison, Carl Urben: No report.

Membership, John Kehrli: Membership stands at 281 members as of July 31, 1987.

Technical Documents, Paul Wilson: Committee is preparing a monograph on floors.

Products Fair, Roy Josi: A date is to be established. The theme is "The Technologists."

The Predicator, Curtis Finch: Linda Bowmans' request for tuition expenses to attend newsletter seminar was approved.

Hospitality, John Kehrli: No report.

Publicity, Roy Josi: No report.

Awards, Tom Shea: Regional awards recommendations were sent to Cook Inlet for the Regional Conference.

Nominations, Tom Shea: No report.

Certification, Paul Wilson: Specification competition was discussed.

Education, Jim Peterson: No report.

Meeting adjourned at 1:25 pm.

Respectfully submitted,
John Brockamp



BS by KS

Basic Specs by Ken Searl

In the 1986 January issue of The Construction Specifier, the article SPECTALK by C.T. Bendorf and Paul J. Bickel III covers "The Case for Scheduling Quantities". In this article, the authors state construction costs can be kept down by including quantities of certain items in the contract documents. They also state one should determine just what items should be listed by quantities and the following question should be asked, "Would any contractor use the same quantity of this material on this project?" Items such as concrete, pounds of nails, carpeting or similar items can vary from

contractor to contractor due to efficiency of use and amount of coverage so these items should not

Since this article was published, I gave it lots of thought and came up with some strange and varied results.

We do, and have done for a long time, show the amount of many miscellaneous specialty items such as the ones mentioned above plus others. We decided to show finish hardware quantities and this was a complete washout. In three projects I listed finish hardware by each individual item and amount. Quantities were checked and rechecked to be sure all were accurate. In all three cases finish hardware schedules came back with the wrong quantities.

When I contacted the hardware suppliers I was told they always took off the quantities and therefore ignored our quantity list. I then told them the least they could have done was to use our list as a check because our list was correct and proved to them their list was incorrect.

Now, the point or moral of this story is, you can't change the way people do things unless it is done slowly and with lots of effort. For years now, I list in our finish hardware section, in **boldface** type, that we do not want finish hardware schedules from the hardware supplier and yet we continue to get them in about 50% of the time.

I've called several of these suppliers and they tell me that's the way they have always done it and in one case they couldn't change because it was on the computer that way. To those of us that understand computers, this is just plain unbelievable.



Member Profiles



Jody Moore of DeaMor Associates, Inc.

Jody Moore is President and sales manager for DeaMor Associates, Inc., a skylight manufacturer and installer located in Vancouver, Washington. DeaMor has participated in many fine projects including the challenging installations at Montgomery Park, Providence Medical Center and Good Samaritan Hospital.

Jody is originally from Columbus, Ohio. She started her career in contracting in 1974 in Seattle, and earned an Associates of Arts and Sciences degree with emphasis on communications and construction management. Theater and music are two of her great loves, and she enjoys water and snow skiing with her family, playing in her garden and orchard, and building a home.

An interest in the how and why of the world prompted Jody to join CSI in 1984. Her participation in the Portland Chapter has provided an opportunity to meet others with an appreciation for the nature of materials and their use in implementation of design. In addition to the friendships made, CSI's greatest contribution to her ability to write and use specifications occurred in April of this year when she successfully completed the CSI Certification Program.

In 1976, Jim Davidson moved to Oregon from his hometown, Grand Rapids, Michigan. Jim graduated from the University of Michigan with a Bachelor's Degree in Business Administration.

Jim became a Chapter member in 1978. According to Jim, "it seemed important to be involved in an effective organization that dealt with commercial construction."

Over the years Jim has remained very active as past Program Leader, Treasurer, member of the Board of Directors, CCS judge and is currently Membership Committee Leader. Jim believes our Chapter has given him the opportunity to be associated with the specifying community as well as to make a contribution to the industry.

Jim is a commercial sales representative for the Cronin Company which handles sheet vinyl and tile, plastic laminates and carpeting.

A few of Jim's major projects include the Red Cross Building, Providence Hospital Surgery Tower, and ADAK waterfront housing project.

Outside of work, Jim enjoys spending time with his wife and three sons.

The Portland Chapter CSI thanks Jim Davidson for his dedication and contribution to our industry.


Jim Davidson of the Cronin Company



Hunt Jones and Kerry Morse of K & H Commercial Interiors

Hunt and Kerry started their new venture (K & H Commercial Interiors) just one year ago. K & H specializes in supplying and installing all forms and brands of interior window coverings. The company covers all of Oregon and southern Washington. The firm is fully licensed and bonded.

Both Kerry and Hunt have "webs between their toes." Kerry grew up in Portland and is presently finishing her course of study at Clark College. Hunt hails from McMinnville. For "relaxation" these two like to show Kerry's 1984 Corvette in car shows and both are involved in SCCA sportscar racing, being noise control officers.

Hunt is the CSI member of the two, having been a member since 1975. Hunt has held many positions in the Portland Chapter and this year passed his Certificate Program Exam. Both Hunt and Kerry are very proud of their association with the Portland Chapter CSI and look forward to the many benefits and good fellowship. 

Comments by Perky Kilbourn

Forecast for the Oregon Economy - October Dinner Meeting

Dr. John Mitchell, Senior Vice President and Economist with U.S. Bancorp, was the featured speaker for the October meeting.

Mitchell divided his talk in two parts, the national economy and the Oregon economy. He suggests the U.S. economy has had a long steady peace time expansion since 1982 and there has been a reduction in federal spending and an increase in tax revenue with a resulting reduction in the national debt. He also states the U.S. is in the process of reinternationalizing trade. The U.S. is going from a consumption-orientated society to a production and service-orientated society. The result is that our exports are rising in volume with relation to our imports.

The expansion doesn't appear to have an end in site which suggests the expansion will most likely continue. Two indications are the inflation rate is still low at 4%, and the unemployment rate is less than 6%. There appears to be a shortage in the work force. People should expect to see an accelerated increase in wages.


The interest rate should increase but not rapidly because it is kept in check by federal tightening of the money supply.

Mitchell then turned his attention to Oregon. He feels Oregon's economy bottomed out in November, 1982 and has been steadily increasing ever since. Since it had a substantial drop of 12%, it has taken Oregon longer than the Nation as a whole to recover.

The lumber and wood products industry has grown by 27% from 1979 levels. This growth has occurred as a result of increased

productivity. This means that fewer people can do the work and still produce the same number of products.

High technology industries and tourist trade are two other areas of growth in Oregon's economy. Oregon agriculture has a diverse base and many segments are doing well, namely: nursery, cattle, grass-seed, fruits, and nuts.

Mitchell predicts the Oregon economy will continue to grow but the growth rate will be slow. He concluded that there is no indication of a coming recession in Oregon. 

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In the News...

The Portland Chapter CSI is mentioned in The Construction Specifier, September '87 issue on Page 111, "Product Substitution" by Robert Hockaday and Diane Hamilton.

The article tells of our Chapter's involvement with spec enforcement (i.e. Meeting of November, 1986) and shows a substitution request form developed by the Portland Chapter and adopted by the Northwest Region in 1986.

Industry News

Effective Security May Hinge on Hinges

Doors can hinder or help security. While many security managers would fault the lockset when they experience difficulties with building security, they fail to realize that effective security hinges on hinges.

Though hinges account for a small part of the construction budget, they receive more wear than almost any other building component. If hinges cannot bear the traffic, locksets will not latch properly, locks will not fasten, and doors may not ever close completely.

Building security needs must be considered at the outset of any design or construction. If a building owner doesn't explain his security needs, and if the architect and engineer don't think to ask, contractors can inadvertently create design problems.

Before beginning construction, consider these questions:

- What kind of neighborhood surrounds the building?
- What is the security budget?
- Do the owners just want to keep track of employee hours, e.g., using access cards and card readers, or will they be working on military contracts which require security clearance? Do they want their building compartmentalized to limit employee access to certain areas?
- Do they have government contracts requiring specific security regulations?

To be considered a minimum security barrier, doors must be at least one and three-quarter inches thick and must be flush wood doors of solid core construction, hollow metal (steel) doors with face sheets of a minimum 18 gage metal, or extruded aluminum framed glazed doors. Standards for hinges and pivots appropriate for security doors have been set by the American National Standards

Institute (ANSI) and the Builders Hardware Manufacturers Association (BHMA). These standards separate hinges into Grades 1, 2 or 3 depending on size and frequency of use.

When hinges are deficient or improperly selected as to door type, two categories of problems usually result: (1) self-locking doors may drag at the bottom or bind against the frame, preventing it from closing, latching, and locking; (2) swinging doors may be opened from the hinge side, bypassing the locking device.

To select a proper hinge, consider these factors: The material making up the door and frame; size of door including height, thickness, and width; the door's total weight, including the estimated weight of all the door hardware; frequency of use; ability and need of door to withstand forced or surreptitious opening attempts from the hinge side; and environmental conditions.

Door and frame clearances determine hinge width and swaging, the slight offset of the hinge leaf which permits the leaves to come closer together. Frequently used doors dictate hinge grades, types, and number of bearings; environmental conditions suggest whether hinges should contain special anticorrosive finishes.

Security hinges come in four choices: Nonremovable pin, maximum security pin, maximum security with fast spun pin and safety stud. The first three protect against surreptitious entry but not against forced-- someone can still cut or saw the hinge barrel from the hinge. The safety stud type prevents that.

Planning for security, knowing the options, and studying the ANSI and BHMA standards help create a safe environment rather than a design problem.

---Doors and Hardware, 4/87

Spreadsheets: Dangers and Defenses

An estimated one out of three spreadsheets contains mistakes, according to Stanley Kugell, president of Javelin Software in Cambridge, MA. Problems usually occur when a person unfamiliar with the logic behind a particular spreadsheet changes some of the formulas or enters the wrong data.

In small construction companies errors can put an owner right out of business. Many larger companies, still functioning in spite of errors caused by misused spreadsheets, may never reclaim their losses because errors may go undetected.

Two methods can help defend against errors in spreadsheet use: Documentation and spreadsheet checkers. One East Coast company insists its employees include documentation with their spreadsheets so that if one employee goes on vacation or is absent from work due to illness, another employee can use his spreadsheet by referring to the documentation. A West Coast executive recommends that his coworkers use a computer program that verifies spreadsheets. Some can print out the formulas behind a spreadsheet and help locate missing data or circular references.

Computer dealers sometimes offer advice on designing and checking spreadsheets for accuracy. Many offer classes or can refer customers to a local "spreadsheet guru" for help.

The old adage "An ounce of prevention is worth a pound of cure" can be an appropriate caveat for designers working with spreadsheets. But it's nice to know that cures are available, when and if needed.

---Construction Canada, 7/87



Publications

Revised Standards for Drilled Shafts

The International Association of Foundation Drilling (ADSC) has just published a 1987 revised edition of its Standards and Specifications for the construction of drilled shafts. It incorporates the revised 1985 ACI Standards and Specifications for Construction of End Bearing Drilled Piers. Equally adaptable to side shear design, these specifications include delivery, handling, and storage of the casing, excavation, soil testing, placing of concrete, tolerances, and inspection. Copies, priced at \$5, are available through the Association at ADSC, P.O. Box 280379, Dallas, Texas, 75228; (214) 681-5994.

New Wood Window Standard NWWDA I.S. 2-87

Developed by the National Wood Window and Door Association, revises previous methods of grading wood windows. The standard makes higher levels of performance available by including specific criteria to insure proper performance, especially in high wind areas of the country. Three classifications now exist: Grade 20 (suitable for residential construction); Grade 40 (suitable for light commercial construction); and Grade 60 (suitable for heavy commercial construction).

In this issue of The Predicator, you'll find a survey for potential educational activities. Please fill out this important form and send it to Jim Peterson, Education Committee Leader, as soon as possible.

Southern Pine Maximum Spans for Floor Joists with Heavy Live Loads

Includes eight tables referencing spans associated with specific grades of Southern Pine lumber. The booklet contains information on loads, spans, shear, deflection, lumber sizes and design values for live loads of 50-150 psf and dead loads of 10 psf. To acquire, write Southern Forest Products Association, P.O. Box 52478, New Orleans, LA, 70152; or call Cathy Marx (504) 443-4464.

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New Employer Guide to Immigration Law

The Immigration Reform and Control Act of 1986, signed into law last November and effective July 1, 1987, shifts the major responsibility from the Immigration and Naturalization Service to the private sector and makes non-compliant employers subject to stiff penalties.

To assist with compliance, the National Institute of Business Management (NIBM) has just released a special report, "Coping with the Immigration Law." It includes an easy-to-read explanation of the law's regulations and how you can fulfill them, a handbook, the legislation itself, and new discrimination regulations related to the new law. Copies may be obtained for \$19.95 by writing to NIBM, Department 87N03, Box 10676, Des Moines, Iowa.

"Designing and Building Your Own Professional Office"

For the second edition of the book, "Designing and Building Your Own Professional Office," Dr. Murray Schwartz is seeking innovative floor plans and photographs of interior architectural features of professional offices for health care professionals.

The book is a guide for the health care professional (physician, dentist, podiatrist, chiropractor, etc.) in private practice who needs a new office. The reader is urged to engage an architect as a principal advisor in the design and construction process.

Full acknowledgment will be given. For more information, write to Dr. Murray Schwartz, 153 North Broadway, Nyack, New York, 10960.

Anchorage Hosts 1987 Northwest Region Conference



Hetcher Pass, north of Anchorage



Athabascan Children perform Native Dance



Ken Searl accepts Certificate of Appreciation Award

The Anchorage hosts extended, as usual, a warm and personal Alaskan welcome. Most of the Portland delegation arrived in time to attend the Coordinating Council meeting at the Clarion Hotel.

The "Welcome Reception" with finger food and casino games was attended by our nine members and two spouses. (John & Bonnie Brockamp, Tom & Carol Clucas, Dick Gira, Curt Finch, Margie Largent, Jim Peterson, Ken Searl, Don Walton, and Inga Vrla.

Excellent continental breakfasts were served both Friday and Saturday prior to the usual CSI leadership workshops (on Chapter Administration, Awards, Conference Planning, Publications, Technical and Education), and the Business Meeting on Saturday.

Portland Chapter members were represented at most, if not all roundtable discussions. Don Walton and Margie Largent were at the Awards "table", Dick Gira and Inga Vrla at the Chapter Administration table, Curtis Finch at Technical Documents, Ken Searl and Jim Peterson at Education and John Brockamp at Membership roundtables.

During lunch we heard a speaker present Anchorage's "1994 Olympics" dream. After

lunch we heard three speakers with considerable involvement in and knowledge of "Construction on the Pacific Rim." The first speaker was the President of Fluor Alaska, Inc., one of the largest international engineering-construction firms in the state. The second speaker was a lawyer who specializes in international business, including import-export and finance, and third speaker was from the State of Alaska, Office of International Trade, who gave names and numbers to contact for help in Pacific Rim Construction business.


Most of the Portland members attended the Region Business meeting conducted, by Richard Gira and John Greiner. John has been an excellent Director, especially at the Region Conference level. Because of his retirement as Region Director next year, the Nominating Committee met on Friday, the 11th to decide upon a two-member slate for Region Director (Professional). The nominees were Jeff Jeffers of Cook Inlet Chapter and Jim Robertson of Willamette Valley Chapter.

These two candidates were requested to present a short statement of their "willingness and

ability to serve" to each chapter for their January publications.

Friday evening, was a gala-dinner at the Anchorage Art Museum, (a world class museum). For our entertainment there was native (Athabascan) dancing, singing and drumming.

The Hetcher Pass tour was fun and the Awards Banquet a feast. At the Awards Banquet, the Portland Chapter was awarded the following: **Four Cooperation Awards** went to the Oregon-Columbia Chapter AGC, Portland Chapter AIA, CECO and Portland Chapter CSI (for successful liaison in the creation of the Construction Library - now at the Multnomah County Library.) **Newsletter Excellence**, Inga Vrla accepted; **Chapter Growth Award; Certificate of Appreciation** to Ken Searl; **Frank Stanton Memorial Award** to Lee Kilbourn; **Directors' Citations** to Bob Klas and John Brockamp. All this and a Door Prize? This reporter, won a trip to Portage Glacier, but since I was not in attendance, I hope someone else was able to use it. See you in Sun Valley next September 15-17, 1988!

Reported by *Margie Largent* 

**PORTLAND CHAPTER
LEADERS, 1987-1988**

President, Curtis Finch 636-9270
 President-Elect,
 Inga Vrla 635-6227
 Secretary,
 John Brockamp 655-9151
 Treasurer,
 Dennis Obert 245-7802
 1986-87 President,
 Dennet Latham
 Executive Director,
 Marge Largent 636-6977

BOARD OF DIRECTORS

John Kehrl, Inc. '89 644-7102
 Jim Peterson, Prof. '89 227-0212
 Paul Wilson, Prof. '89 636-9768
 Carl Urben, Prof. '88 226-2921
 Roy Josi, Prof. '88 226-8462
 Tom Shea, Ind. '88 760-6433

COMMITTEE LEADERS

Awards, Tom Shea 760-6433
 Certification,
 Lee Kilbourn 224-3860
 Editors,
 Linda Bowman 222-1917
 & Rochelle Geving 234-0281
 Education,
 Jim Peterson 245-1792
 Hospitality,
 John Kehrl 644-7102
 Liason, Gary Madison 241-2875
 Library,
 Candace Robertson 222-3753
 Long Range Planning,
 Richard Ehmann 644-4222
 Membership,
 Steve James 288-5195
 Products Fair,
 Joe Woods 232-4000
 Technical Documents,
 Bruce Townsend 228-6444

**REGION
RESPONSIBILITIES**

Technical Documents Committee,
 Robert Klas 644-4222
 Nominating Committee Leader,
 Marge Largent 636-6977

REGION DIRECTORS

John Greiner, (206) 455-5236
 Greiner & Associates
 P.O. Box 1927
 Bellevue, WA 98009
 Richard Gira, (503) 224-8226
 NW Lath & Plaster Trust
 4621 SW Kelly
 Portland, OR 97201

Institute and Portland Chapter dues for the year are as follows: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specification Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editors, Linda Bowman and Rochelle Geving
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NEXT MEETING

Tuesday
December 8, 1987

SPEAKER
Kirby Brumfield
as Mark Twain

TIME
Social Hour 6:00-7:00 pm
(No Host Bar)
Dinner and Program
7:00-9:00 pm

COST
\$15 per person.
Friends, spouses and guests
are always welcome.

LOCATION
Energy Resource Center
7895 SW Mohawk
Tualatin, Oregon

PARKING
Plenty of off-street parking.

RSVP
CSI Offices, 238-1462
by 10:00 am, December 4th

Kirby Brumfield as Mark Twain

Start the holiday season right by attending the December dinner meeting. Guest speaker Mr. Kirby Brumfield will delight you with his exciting portrayal of Mark Twain.

Mark Twain was both humorist and commentator. He was always looking for the laugh, but he never hesitated to point out the foibles of mankind through his talents as a writer and speaker. Twain's successes as a writer are well chronicled thanks to the vast array of books, articles and letters he produced.

His second great career was as a platform speaker. His delivery and sense of timing coupled with his fame as a writer combined to make him one of the most popular speakers of his time.

KIRBY BRUMFIELD, popular t.v. personality and actor, has been a long-time fan of Mark Twain. "His humor and social comment are timeless. Everything about Mark Twain wears well. It has been a long-time dream of mine to present Mr. Twain to present-day audiences."

Prepare yourself for a very special evening and help "welcome in" the new Chapter members. See you there.



PORTLAND CHAPTER
CSI

**WHAT'S
INSIDE**

- MEMBER PROFILES
- ANYTHING FOR A LAUGH
- A LETTER TO THE EDITOR-
A201 DOC. CLARIFICATION

Board Report

Minutes of October 6, 1987 Board of Directors Meeting

Present: Finch, Vrla, Brockamp, Largent, Wilson, Peterson, Josi, Urben, Kehrl, Shea

Absent: Obert

Others Present: Joe Woods and Lee Kilbourn

The meeting opened at noon. John Brockamp presented the September minutes. They were reviewed, corrected and approved as corrected.

Treasurer's Report, Curtis Finch: Notified the Board the books were audited and approved for the past year. The budget work will continue. By next meeting it is expected the 1987-88 budget will be completed.

Planning, Carl Urben: Has talked to Dick Ehmann and learned the Chapter Operations Manuals are circulating for additions by the previous year's directors and officers. Three Operations Manuals will be located and returned to Dick Ehmann.

Programs, Inga Vrla: The Programs Committee had their first organization meeting September 21st. Programs are firmed up pretty well through January of 1988. The Products Fair meeting needs more planning. The Programs Committee will be coordinating with the Hospitality Committee. The November 11th meeting will be Wednesday at the Red Lion Inn. The Door and Hardware Association is taking care of the arrangements.

Liaison, Gary Madison is named Leader. Jim Peterson will check with Gary to determine if Gary is aware of the responsibilities and if he will accept the position.

Membership, Curtis Finch: The Institute is urging members to recruit engineers.

Curtis will be in touch with CECO to let them know of CSI's wish to add engineering members. New member tags were discussed. It is important that new members be identified, so they can be welcomed to CSI. New Member Committee assignments should be taken care of at the first meeting the new members attend. It was recommended to have name tags for Board members and speakers to identify themselves to new members. It was also recommended that a Board member sit with new members, to acquaint them with CSI.

Hospitality, John Kehrl: We still need to give attention to upgrading name badges. New ways to handle name badges at meetings are needed to reduce the amount of work for the Hospitality Committee.

Technical Documents, Paul Wilson: Committee is meeting once each month throughout the year. Committee is now working on three spec guides and one monograph. The monograph is on floor covering for slab-on-grade construction. Members may become involved in the monograph efforts. The Committee meets on the last Thursday of each month. Also, a recommendation for the Committee to have a tabletop display of technical documents at each meeting was discussed as a way to keep new members informed and to acquaint them with the work of the Technical Documents Committee.

The Products Fair, Roy Josi: Date for the Products Fair has been set for Thursday, May 12, 1988, at Montgomery Park. In an effort to determine an improved arrangement for this year's booth arrangement, a booth traffic study is underway. The theme of this year's Products Fair is "The Technologists." A speaker wish list is underway.

It is hoped that people who attend the Products Fair will feel like a participant rather than a prospect. It was suggested that hors d'oeuvres be available for munching or grazing at 5:30 pm instead of having a CSI dinner meeting. An exhibitor reception the evening before the opening of the Fair was suggested as the official May CSI meeting.

Awards, Tom Shea: Portland Chapter needs submittals for national awards for specifications. Tom Shea requested that he be notified when someone does a good job so he can have the recommendation on file to make the proper award. Curtis Finch reported on the awards at the Region Conference in Anchorage; Lee Kilbourn received the Frank Stanton Memorial Award; Ken Searl was awarded a Certificate of Appreciation; The AGC/CECO/AIA/CSI Joint Committee received an award for their cooperation in the formation of the Construction Library. Lee has been awarded an Institute Certificate of Appreciation.

Nominations, Margie Largent: Margie wants a plea to be published in The Predicator for Director and officer candidates to step forward and volunteer for nominations. Jim Peterson volunteered to assist as Treasurer for the coming year. Curtis Finch reported that nominees for Region Directors for this year include Jeff Jeffers from Cook Inlet and Jim Robertson of Eugene. A legal size file is to be purchased so adequate files can be kept at the Chapter office.

The Predicator, Curtis Finch: The Predicator is printed and ready to go. Ken Searl is the editor of the northwest region newsletter. The next issue of the The Predicator should correct the list of

---Continued on Page 2

-- Continued from Page 2

Region Responsibilities. It should be noted that Region Trustee is Jim Davidson and Executive Director is Margie Largent.

Old Business: Margie Largent, acting Historian, requested a copy of the Construction Library dedication speech, for the archives. The Board unanimously approved adding an Executive Director to the Portland Chapter CSI, as a non-paying position. The CSI Portland Chapter will pay for meals, transportation, and cost for attending region and Institute meetings. A motion was made and seconded to appoint Margie Largent as the Executive Director.

Meeting adjourned at 1:27 pm.

Respectfully submitted,
John Brockamp



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BS by KS

Basic Specs by Ken Searl

This month I decided to talk about FAX machines. It appears to me that FAX machines are a real sleeper. (Could be old Ken was sleeping.) If you want some FACTS on FAX, here they are.

We installed one in our office several months ago and used it from time to time, but recently the usage has been increasing. We began to require in our contract documents that a leased or purchased FAX machine be installed in contractor job offices, usually when the contract price is \$500,000 or over. It sure makes it mighty fast to get details and other information back and forth in a hurry. I believe most contractors have a FAX machine in their main office, so one in a job office can be of significant value for their operations.

As we went along we found we were not fully utilizing our FAX machine. For example, during the bidding of one of our large projects, an out of state supplier called to find out if he could get approval to bid his product. We said yes, but he would have to hurry to get us the information in time. He said he would put the information on the next bus and get it to us as soon as possible. At this point our Architect asked him if he had a FAX machine. He said yes, so we FAXed him the specification along with a CSI Northwest Region Substitution Request Form. He sent back the filled-in Substitution Request Form and his product sheets a few minutes later. Within a period of less than three hours we FAXed the Substitution Request back to him approved with plenty of time left to get this item listed in our last addendum. I guess what is needed is for all of us to ask the other guy if he has a

FAX machine and if not, why not.

Well kiddies, this isn't the end of the story. Just the other day I needed a new catalog from an eastern supplier and discovered they not only had an 800 telephone number but they also had an 800 FAX number. This really got my attention. I called one of our friendly local suppliers and asked him if he was aware of this 800 FAX number. He said yes he was and he now places orders to that firm and others by FAXing his purchase order. This saves two to five days time compared to sending by regular mail.

In closing, in the beginning we had a few FAX numbers posted adjacent to the FAX machine, but now we have so many numbers, I made a directory on the computer and make new print-outs as needed. Please note the plug for the CSI Northwest Region Substitution Request Form. If you need a copy let me know. Hope all of the above gives you some food for thought.

PS to BS by KS: Our office FAX number is 223-1184.



Wanted:

Legal size, horizontal
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Needs to be desk height
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Willing to trade standard size
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For more information, contact
Margie Largent, at 636-6977.

Member Profiles



Arnie Wake of Willamette Painting

Arnie Wake is the head Estimator in charge of job set-up and billing at Willamette Painting Company.

Arnie and Willamette Painting have participated in many fine projects including Montgomery Park, the Arlene Schnitzer Concert Hall, the Banfield Corridors, the Alexis Hotel, the Embassy Suites and the Hilton Hotel.

Arnie has lived in Portland all of his life attending Portland State University where he earned a degree in General Business.

Although work ranks high as a major hobby, Arnie enjoys photography and traveling with his wife Molly and his three children.

An interest in being associated with a "recognized body in the construction Industry" prompted Arnie to join our Portland Chapter in 1985. Since he has become a member he has found that CSI provides an open forum where ideas can be exchanged between many participants in the construction industry.



E.M. Shea & Assoc.

Long time member Tom Shea joined the Portland Chapter CSI in the 60's. He was co-founder (along with Architect Larry Arnold) of the CSI Products Fair, and is serving his second term on the Board of Directors. He is also this years Awards Committee Leader.

Tom was born and raised in Portland where he attended Portland State University majoring in Business Administration. He has worked for Madden Construction Supply and Acme Highway Products until he and his wife Betty decided to start their own specialty company, E.M. Shea & Associates, owned by Betty. Some notable projects Tom and Betty have completed are the Madigan Hospital, the Good Samaritan Cancer Center, University of Oregon, Portland State University and currently the Portland Air Base.

Tom and Betty have one daughter, Tracy, a senior at LaSalle High School.

The Portland Chapter CSI thanks Tom Shea for his tireless contribution to our organization.



Dan Dishongh of the Phil Johnson Corp.

New member Dan Dishongh is a native Portlander, and loves it. His broad and knowledgeable background in construction landed him his current position as sales representative for the Phil Johnson Corporation, a distributor for Trocal Roofing Systems. A few of the projects he has worked on are the Central Oregon Community College Student Union in Bend, the Blind School and Chemekata Community College, both in Salem.

Dan's wife, Vickie, is employed by Clackamas County Social Services as a case manager working with the elderly and disabled. They live on a farm in Colton and keep busy with farm animals, gardening, and showing and raising Newfoundland dogs. They also have a small boarding kennel. When they can get away from their farm they enjoy boating and cross-country skiing.

Dan joined CSI in the hopes that it will broaden his knowledge and provide a better understanding of the construction industry, along with the chance to meet architects, engineers and fellow subcontractors. CSI welcomes new member Dan Dishongh.



November Dinner Meeting

Mr. Lyman Shepard, an architectural historian, gave a dramatic presentation of the American architect Frank Lloyd Wright.

Mr. Shepard's interpretation of Wright's provocative and sometimes stormy architectural career and often times melodramatic personal life provided a stimulating view into the great architect's many faceted personality.

After spending one and a half years studying civil engineering at the Univ. of Wisconsin, Wright apprenticed under Louis Sullivan at the progressive Chicago based architectural firm of Adler and Sullivan. Starting as a tracer he would over the next five years show great talent and begin designing his own work. He began a private practice in 1883.

At the age of twenty-two, Wright designed the first of his anti-Victorian homes utilizing simple uncluttered lines, "built-ins" and massed plants. Shortly after this, his "Prairie" style would evolve, focusing on the hearth and the use of natural materials.

Wright continued to evolve his blend of interior and exterior space with modern technology and materials. He even designed the furniture and tableware for clients in his belief that the entire environment was part of his design.

Taliesin East, built in Wisconsin, became his Camelot against his critics, a personal expression of all his architectural theories. Taliesin West, built in Arizona, united form and function in a winter retreat built in the 1930's.

In the depth of The Depression, he designed his most famous residence, Fallingwater. Built above a waterfall, this home is considered a masterpiece of architecture.

In all, Wright designed 1153 buildings, executing over 500 of the designs himself.

Mr. Shepard did a marvelous presentation of both the person and the architect, Frank Lloyd Wright, the self-described "icon" of 20th century architecture."

--Reported by *Steve R. Miller*



**Richard C. Ehmman,
AIA, FCSI, CCS**

of

**Richard C. Ehmman
and Associates,
Architects & Planners**

is pleased to announce
that the firm name
is being changed
to include

**Robert R. Klas,
AIA, CSI**

the new name will be

**Ehmman-Klas &
Associates, Architects &
Planners**

the address and
phone number
will remain the same:

775 SW 111th Avenue
Suite 20
Beaverton, Oregon 97005
Telephone (503) 644-4222

Award for Excellence in Concrete

Nominations are now being accepted in the Eighth Annual Excellence in Concrete Awards Program. Nominations will be accepted from any person or firm for projects using concrete in Oregon. Nominations must be submitted no later than December 31, 1987 for projects completed during the calendar years 1986 and 1987. Nomination forms have been mailed to many potential winners and additional forms are available upon request.

This annual recognition program is now jointly sponsored by the Oregon Chapter American Concrete Institute (OACI) and the Oregon Concrete and Aggregate Producers Association (OCAPA). OCAPA originated the program in 1980 in order to promote the use of concrete by acknowledging imaginative, extensive and/or aesthetic applications of concrete.

The unique award plaques are cast in concrete shaped like the State of Oregon. Plaques will be awarded to the architect, engineer, contractor, owner and concrete suppliers for each award-winning project at an awards banquet, February 26, 1988 at the Red Lion Lloyd Center, Portland, Oregon.

Further information may be obtained from OCAPA, 3000 Market Street NE, #222, Salem, Oregon, 97301, (503) 588-2430.

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Industry News

Nine Steps to Improved Laced Reinforced Concrete Structures

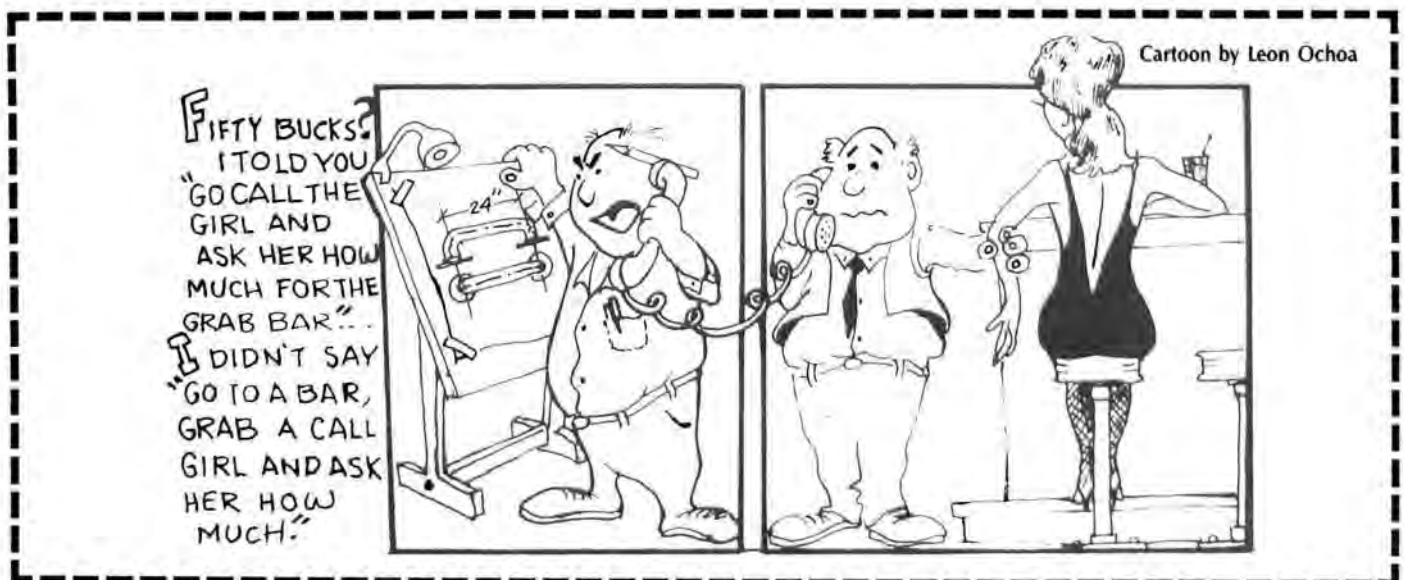
Building blast-resistant laced reinforced concrete structures requires different and more intricate construction techniques. Therefore contract documents should contain certain construction requirements to avoid problems and enhance constructability:

- **Minimize the reinforcing steel ratio.** Fewer and smaller bars can then be used, leaving more space between them to place concrete.
- **Check layering of intersecting reinforcing steel during the design phase,** using out-to-out diameters of bar ribs. Allow an extra inch of free space for possible irregularities in bars.
- **Standardize bar spacing** (a minimum of 12 inches) so bar systems mesh more easily.
- **Review shop drawings,** particularly for constructability of reinforcing steel sections.
- **Use reinforcing bar templates.** Spray paint the end of a bar in the bundle of bars that most closely matches the geometry defined on the shop drawing. Field-compare the remaining bars to the template in the presence of a government inspector and send back bars that do not fall within predefined limits. This ensures quality control. It also ensures that bars are within required tolerances before they're assembled.
- **Require concrete working pads** under reinforcement cages. They support structures during the weeks it may take till full assembly; they protect capillary water and vapor barriers; and they can serve as anchors for a wall bars sway cables.
- **Meet with the contractor in a pre-construction conference** to discuss cage assembly techniques. Assemble cages in place, but do not wire up every intersection until the entire cage has been assembled. Bars must be shifted to accommodate varying spaces; construction and concrete casting should proceed in a flexible manner.
- **If concrete equipment can break down, backup equipment must be on hand.** Require the contractor to submit a written plan for getting concrete material to the site before concrete is placed.
- **Provide for proper placement of concrete and adequate vibration** (at least four vibrators and operators). Repainted horizontal bars can designate wherever there is a permissible lift in the cage. Incorporating the above suggestions into the specifications enhances quality control and should eliminate numerous change orders during construction.

---Concrete International,
10/87



Anything for a Laugh



A Letter to the Editor

Dear Linda and Rochelle:

Your re-design of THE PREDICATOR is very attractive. It makes us poorer Chapters envious of such a well designed and attractive newsletter. I thought that Curt Finch's "high school picture" was quite interesting.

I am writing about an article that was reprinted in your October issue. I realize that the article entitled "Revised A201: More Accountability for Payment" came from some other publication, but I feel that I must comment on the accuracy of the information contained in that article. I have spent some time this summer and fall in seminars and research on the changes to A201, and have conducted four seminars to AIA groups in Idaho and Washington. Although I probably am not the definitive expert on this subject, (you have one of those in your Chapter -- Lee Kilbourn), I have assembled thoughts on the changes to A201, which do not coincide with the ones expressed in the October article.

There are some major changes in A201, however, they are not the ones mentioned in the subject article. The changes in A201 primarily reflect the way contracts are currently being handled. The majority of these changes are clarifications and are not earth-shattering. I am concerned that articles such as the one mentioned will confuse members of the industry and delay the use of this well-done and current document.

At the CSI convention in Detroit and again in this article, there was mention about the Contractor being "required" to submit back-up data with the payment request. This particular clause (9.3.1) really has not been changed much. The 1976 version of A201 stated "...the Contractor shall submit to the Architect an itemized Application for Payment,

notarized if required, supported by such data substantiating the Contractor's right to payment as the Owner or Architect may require...". The 1987 version adds the language to that statement as "such as copies of requisition from Subcontractors and material suppliers...".

The Architect has previously had the right to request additional data to substantiate the payment request, and all this does is clarify some of the documents that may be requested. No biggy.

The mentioned article states "article 9.6.3 gives subcontractors the right to obtain information directly from the Architect regarding their percentage of completion or amount applied for by the Contractor". This provision was already in the General Conditions, but stated that the Architect would make this information available "at his discretion". Now the article states that the Architect "will" furnish the information to subcontractors upon request. The only change in this case is more positive language, which is found throughout the revised document.

Probably the most confusing section of the revised document, (to me anyway), concerns the procedure to attain substantial completion. The Contractor was always required to prepare a punchlist for the portion of the work that he requested substantial completion. The changes appear to be that the Architect will make inspection, and deem whether the project is actually substantially complete. If not, the Contractor corrects conditions and asks again for inspection by the Architect. This clause states that procedure is to be done again, which the 1976 version is unclear on. The only conditions added for final payment in Article 9.10 are clarifications on property insurance, which were needed. One of the major additions

to this document, is Article 9.9 defining partial occupancy and the areas to be agreed upon prior to partial occupancy.

The "Construction Change Directive" is an added provision to provide a vehicle for quick processing of a change. The Change Order has traditionally been the only officially authorized document for changes to the Contract, but unfortunately is very cumbersome and not quickly processed. A201 states that payment can be made on this Construction Change Directive, but does not stipulate the procedure. This could develop into an accounting nightmare. The best procedure will still be to convert the CCD into a Change Order for clear accounting of the change.

The statement in the October article about "damage claims" is totally misconstrued. The revised A201 finally gives a definite procedure for claims, which gives some order to the chaos. It stipulates time limits for these claims to define the situation, and to encourage prompt settlement.

The 1987 version of A201 does clarify many of the responsibilities of the parties involved in the Contract. Its language is clearer and quite precise. This is always a document in transition, though, changing as the construction industry changes. It is important that all members of the construction industry become familiar with the current document and not delay its use. The AIA publishes a document entitled "Comparisons of B141 and A201 1976/77 and 1987 Editions". This document is well worth the \$18 and shows where the changes were made.

Sincerely,



William R. Mincks, CSI
Spokane Chapter



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Leaders, 1987-1988**

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 President-Elect,
 Inga Vrla 635-6227
 Secretary,
 John Brockamp 655-9151
 Treasurer,
 Dennis Obert 245-7802
 1986-87 President,
 Dennet Latham (absent) 234-0281
 Executive Director,
 Margie Largent 636-6977

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 Jim Peterson, Prof. '89 227-0212
 Paul Wilson, Prof. '89 636-9768
 Carl Urben, Prof. '88 226-2921
 Roy Josi, Prof. '88 226-8462
 Tom Shea, Ind. '88 760-6433

Committee Leaders

Awards, Tom Shea 760-6433
 Certification,
 Lee Kilbourn 224-3860
 Editors,
 Linda Bowman 222-1917
 Rochelle Geving 234-0281
 Education,
 Jim Peterson 245-1792
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 John Kehrli 644-7102
 Liason, Gary Madison 241-2875
 Library,
 Candace Robertson 222-3753
 Long Range Planning,
 Richard Ehmann 644-4222
 Membership,
 Steve James 288-5195
 Products Fair,
 Joe Woods 232-4000
 Technical Documents,
 Bruce Townsend 228-6444

Region Responsibilities

Technical Documents Committee,
 Robert Klas 644-4222
 Nominating Committee,
 Margie Largent 636-6977
 Region Trustee,
 Jim Davidson 226-3508

Region Directors

John Greiner, (206) 455-5236
 Greiner & Associates
 P.O. Box 1927
 Bellevue, WA 98009
 Richard Gira, (503) 224-8226
 NW Lath & Plaster Trust
 4621 SW Kelly
 Portland, OR 97201

Institute and Portland Chapter dues for the year are as follows: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specification Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editors, Linda Bowman and Rochelle Geving
 1125 SE Madison, #200
 Portland, Oregon 97214

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NEXT MEETING

Tuesday
January 12, 1988

SPEAKER

Paul Jensen, Manager
PGE Energy Resource Center

TIME

Social Hour 6:00-7:00 pm
(No Host Bar)
Dinner and Tour
7:00-9:00 pm

COST

\$15 per person.
Friends, spouses and guests
are always welcome.

LOCATION

PGE Energy Resource Center
7895 SW Mohawk
Tualatin, Oregon

PARKING

Plenty of off-street parking.

RSVP

CSI Offices, 238-1462
by 10:00 am, January 5th

Welcome... to the Energy Resource Center



"My staff and I are ready to assist professionals work out solutions to their energy problems in the areas of lighting, food service, electrical and mechanical applications, and industrial processes. The Energy Resource Center is here to be used. Our location is convenient, the space is versatile. We invite you to train, consult, study or make presentations in our modern facilities."

---Paul Jensen, Manager

The Portland Chapter CSI invites you to join Mr. Paul Jensen on January 12, 1988 for a tour of the PGE Energy Resource Center.

The focus of the Energy Resource Center is education and information-gathering for commercial and industrial professionals, building principals and vendors.

A 14,000 square foot technical center, the ERC is a place to:

- Evaluate the cost and quality of different energy systems.
- Find solutions to energy needs and problems with the assistance of professionals.
- Discover state-of-the-art electrical products, applications and methods.
- Engage in hands-on study of products and applications.



PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Member Profiles
- Candidates for Northwest Region Director Position
- The Lone Mushroom & Tonto Toadstool

Board Report

Minutes of November 3, 1987 Board of Directors Meeting

Present: Finch, Vrla, Brockamp, Obert, Largent, Wilson, Peterson, Josi, Urben, Kehrli and Shea.

Absent: None.

Also Present: Dick Gira.

The meeting was opened at 12:12 pm. The minutes of the October meeting were reviewed, corrected and approved. Dennis Obert will meet with committee and submit a balanced budget in December.

Committee Reports: Curtis Finch selected Inga Vrla and Paul Wilson to work with Dick Gira on the Leadership Conference. One chapter manual is still circulating among Board members. When it is located it will be returned to Dick Ehmann. Curtis Finch will continue to send welcome letters to new members.

The Products Fair, Roy Josi: The committee has a RFP out for decoration services. They plan to meet again in January 1988. There is a need to get more people active in the committee so there will be a number of informed CSI members aware of the Products Fair conditions and plans. The Boards perception is that the Products Fair is too much work for one person. Joe Woods needs Board members biographies. 1987 Products Fair income was \$52,455 with an expense of \$43,609, net \$8,846.

Hospitality, John Kehrli: The committee proposed a name badge purchase and Board approved the plan to purchase one hundred new name tags.

Membership: Report next month after committee meets in December. Institute is advertising in engineering publications to encourage engineers to join CSI. Membership committee will follow through special emphasis to invite engineers to join CSI. Discussion

included membership retention, meeting attendance, programs and formation of an ad hoc committee to develop recommendations for improving attendance at meetings.

Education, Jim Peterson: The committee designed and distributed a survey to determine areas of interest in education. The committee will develop a plan that is responsive to member needs.

Awards, Tom Shea: Nominations are being prepared for the Institute Awards Program. Submittals for the Institute Cooperation Award, the Ben John Small Memorial Award, J. Norman Hunter Memorial Award, and the new Thomas Jefferson Award are in process. Endorsement letters are usually appropriate; contact the Awards Committee Leader.

Nominations: The committee requests members to express their interest and ideas.

Liaison, Carl Urben: The liaison position with AGC was accepted by Gary Madison. Joint committee is presently developing a Construction Practices Manual.

Programs, Inga Vrla: November 11, 1987, an evening with Frank Lloyd Wright. December party meeting is at the PGE Energy Resource Center in Tualatin. January meeting, Paul Jensen with PGE will present lighting information. February meeting topic is electrical system quality considerations, coordinated with the Institute Electrical and Electronic Engineers. Products Fair week program may be panel discussion. Bob Klas is looking into specification enforcement problems. Two hour seminars prior to meetings were discussed.

Technical Documents, Paul Wilson: The committee is working on three specification guides and expect to have a first draft on the floor covering monograph complete this month.

Old Business: Wanted, a donation of a two-drawer legal size file cabinet, call Margie Largent.

Certificate and Certification Programs of the Institute: Deadline for applications and the appropriate fee is January 15, 1988. Kilbourn has information sheets and applications.

Gira observed that the Certificate Program, as it is now, is largely for self-improvement. It seems to lack recognition and Dick suggested the Chapter might recommend to the Institute that Certificate holders be recognized in some way. Gira will draft a position paper upon which the Chapter Board might act.

Meeting adjourned at 1:33 pm.

Respectfully submitted,

John Brockamp



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BS by KS

Basic Specs by Ken Scarl

Every now and then one who deals with specification writing should ask the question ... "What can I do to improve our specifications?" This could include many things such as format, content and current state of the art. It seems we get both comfortable and complacent as we go along the specifications trail over the months and years. Being comfortable is one thing but one who becomes complacent can soon be in a heap of trouble.

Format should be easy to handle by keeping an eye on CSI-CSC Masterformat and current revisions. It is noted there are still quite a few specifiers who follow CSI-CSC recommendations only partially and this in itself is not all bad. It's sort of like W.C. Fields statement... "Show me a man that hates kids and dogs and I'll show you a man that isn't all bad." The content part seems to vary from specifier to specifier. If it is clear and concise this should be satisfactory.

The most important, and I stress **important**, is current state-of-the-art. Too many times one specifies a product or system for many years and during this period great improvements have been made by manufacturers who are not specified because we are not really aware of what's going on in that particular field. Sometimes we keep specifying a product long after it has been discontinued. To say the least this is an embarrassment that can be avoided. One way you can keep up to date is to send a copy of one or more of your current specifications to suppliers and manufacturer's representatives that handle that particular product or service. Ask them to look it over and give their opinions and revision suggestions. You will be

surprised at what you may discover when you get their comments. It also doesn't hurt to ask some of these people out to lunch (yes, I said take them out to lunch, not vice versa) and further discuss their particular input.

One thing to keep in mind at all times is not to jump out of the frying pan into the fire. Many times new products are better than old ones. Don't be scared to try new products but do check them out closely.

One problem that can arise in using new products is that if a certain product you have specified for many years has never had a failure it is difficult to specify anything else. An example of this is for over 20 years I have specified a two-ply fiberglass cloth with cold emulsion for vertical below-grade concrete foundation walls and have never had a failure. It is noted that I firmly believe part of that success is due to never letting backfill occur without inspection of installed product and proper protection board over the installation prior to backfilling. Over the years I have had to reject approximately 35%-40% of the installations at the first inspection. If you think this is bad, I have never accepted an interior sound wall at the first inspection. Still hopeful, however. Now this is an important item for specifiers to consider. It makes no difference how good a product or system is. If it isn't installed properly it can fail and usually does. If the specifier cannot get out to the job site to check various applications then someone from his office should. Now believe me, it is very difficult to specify other products when you have had such a good record with your present specifications. In my case I have specified or allowed bentonite products in our membrane section and so far no trouble. Believe me

it makes me nervous even though I am probably one of the few specifiers that understands the properties of bentonite, being raised in an area of raw bentonite where it was used successfully in many applications. None of them, however, were for membrane application at below-grade foundation walls.

In closing, I strongly recommend specifiers on a regular basis to contact and discuss with various suppliers and installers various specification sections.

PS to BS by KS: One more gem of information. Be sure to use the spelling checker on your computer when writing specifications, even if you have a computer that requires removing a disk and inserting the spelling checker disk.



Welcome to Washington!

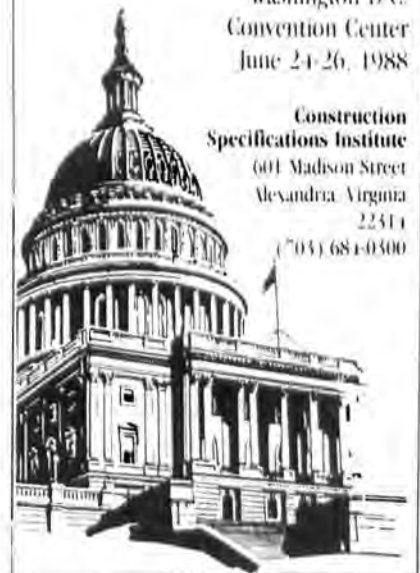


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Member Profiles



John Lape III of Ralph Bonadurer Architects

In 1973 John Lape III graduated from Carnegie Mellon College with a Bachelor of Architecture degree. Shortly thereafter, John moved to Portland to practice. He's presently licensed in Washington and Oregon.

For the past 8 years John has been an associate for Ralph Bonadurer Architects. His greatest contribution to his job has been the successful implementation of CSI's MasterSpec program. One of John's favorite projects has been the Red Lion Inns.

John and wife Leann are presently building a home in the West Hills. In April they will become parents for the first time. Outside of working on the house and planning for parenthood, John loves to take white-water rafting trips. So far this year he has rafted 15 rivers in Oregon, Washington, California and Canada!!

John joined CSI in April, 1986 and is helping on this year's Membership Committee. John expected CSI to provide him a wealth of information (which he believes it has), but didn't expect the numerous friendships he has developed.



Linda M. Bowman of SRG Partnership, P.C.

Who is that person behind The Predicator's fine print? That person is Linda Bowman.

Linda was born in Vancouver, but says Portland is home. Her interest in commercial art prompted her to attend PSU and PCC.

For the past three years she has been employed by SRG Partnership as the Technical Assistant to the Specifications Department. She is responsible for word processing and coordinating SRG's specs. Linda feels her greatest contribution to SRG has been in helping the firm change-over their master spec program.

Linda and her husband John have two small children. John is a letter carrier for the USPS. When they have time and a sitter, they like to snow ski.

Although Linda is a relatively new member (April '87), she has become very active in our Chapter; most importantly she is the editor of our newsletter.

Linda hopes her association with CSI will help in her effort to become a para-professional in the industry.

Thanks for all of your hard work Linda.



John Kehrli owner of Construction Products NW

John Kehrli is at present an industry member of the Board of Directors. He is the owner of Construction Products NW Co., distributors of commercial and industrial building products.

John is a native Portlander whose ancestor's were pioneer Swiss dairy farmers in the area. A graduate of Gonzaga University, John has spent all of his working career in construction, starting with the Corps. of Engineers after college and working for several firms until starting his own business three years ago.

Being the father of four children, all under the age of twelve, keeps home life busy for him and his wife, Margaret. When time permits, the family enjoys snow skiing and boating.

Recent memorable projects include Providence Medical Center, Oregon Institute of Technology, One Financial Center, Salem Centre, and Siltec Silicon.

An interest in joining a professional organization in the industry and the chance to meet architects, engineers, contractors, fellow subcontractors and suppliers lead to his joining CSI.

Candidates Statement for Region Director Position

Letter of Introduction

Time has come once again for members of the Northwest Region to elect a new Region Director - Professional.

As a candidate nominated at the 1987 Northwest Region Conference, I wish to express my desire and interest in serving you in this capacity. Since joining CSI in 1978 I have been active in numerous committees and offices, serving the Spokane Chapter and more recently the Cook Inlet Chapter. My biographical sketch accompanying the ballot indicates my strong commitment to this organization and its goals and objectives.

The growth of this organization is through the support of a strong and informed membership. Information at Institute level is transmitted primarily to the membership through the Region Director. I am committed to improving this communication exchange and making your concerns known to the Institute.

Although the Northwest Region is the largest geographical area, our membership has potential for growth, amplifies our need for communication. I am dedicated to this communication, involvement and the contributions established by former directors. I hope to continue this communication and involvement and I bring to this position my enthusiasm and experience gained by serving on past committees.

I will work hard to coordinate my efforts with Region Director Dick Gira, represent all members of the Region at Institute and share in the responsibilities charged with this position.

I have the support of both my firm and family in accepting this position. Through their support I will be able to dedicate myself to serving you.

Your vote is essential for representation of your interest. Your vote would be appreciated.

Respectfully submitted,
Jeffrey E. Jeffers, CCS

Candidate Statement Northwest Region Director James M. Robertson, AIA, CCS

I'm honored to be a candidate for Director of the Northwest Region CSI. Our region has become one of the premier regions of the Institute and I am committed to continuing that proud tradition.

I have been continually active in CSI since I joined the Willamette Valley Chapter in 1976. At the Chapter level, I have held every chapter office and served as Chapter President in 1982. From 1983 to 1986 I served as Chairman of the 1986 Northwest Region Conference Planning Committee.

I've been privileged to serve on two Institute committees. During the past five years I have served on the Institute Technical Documents Committee (the past three serving as its chairman) and three years on the Institute Long Range Planning Committee. As TDC Chairman, I've had a major role in developing Institute documents, including the 1985 Edition of the Manual of Practice, the SpecGUIDE program, the Monograph program, and the 1988 edition of Masterformat.

I would like to continue my service to CSI and our industry as your representative on the Institute Board of Directors. My experience at the Chapter, Region, and Institute levels and my familiarity with Institute affairs and programs has prepared me to immediately begin working for you.

I believe that our region can grow even stronger. I would like to achieve increased communication between Region Directors and Chapters, implement more region programs such as sponsored seminars, support sharing of ideas and experiences between the chapters of our region, and promote greater attendance at our Leadership Training and Region Conferences. If elected, I will dedicate myself, and all my efforts, to the Chapters and the members of our Region.

Editor's Note: Don't forget to vote for this very important position when you receive your ballots in February!



Note to all Historians:

The Public Relations Department is compiling a history and historical archives to celebrate CSI's 40 years of service to the industry.

If you have in your files copies of "On the Issues" newsletters, or any other historical material you'd be willing to donate, we'd appreciate it.

Please send material to Anne Biasi or Joanne Glenn at CSI, 601 Madison Street, Alexandria, VA 22314-1791, (703) 684-0300. Thanks.

December Dinner Meeting

Kirby Brumfield as Mark Twain

"Pictures are worth a thousand words..."



Monte Sipe, Betty and Tom Shea and Bob Klas



Kirby Brumfield makes last minute adjustments.



Terry Williams, Jane Waff and Pat White



Kathy Dietrich Bevis, Joe Woods and Jody Moore

Industry News

Seminar on Specification Writing for Civil Engineers

February 11-12, 1988, Thursday and Friday, Los Angeles, CA.

"Why are you using several formats for specifying civil engineering projects when one will do?"

Civil engineers say their biggest problem is contending with the wide variety of specification systems and formats mandated by state highway departments, federal agencies and private firms. The differences are confusing, and accommodating them cost time and money.

If you're new to CSI, take a look at what we have to offer. If you're a member, you have a role to play. My goal is a stronger voice and a more active presence for engineers in CSI. To encourage your participation we are

addressing engineering concerns in our program and committees throughout the year. This seminar is an example.

For more information, contact CSI, 601 Madison Street, Alexandria, VA 22314.

"Know-How" for Civil Engineers

Computer Applications in Concrete Technology, a symposium volume of 13 papers, covers a broad spectrum of computer applications for civil engineers. Among topics considered are analysis of reinforced concrete shear walls, decision support systems for design and spreadsheet programming for structural design. The American Concrete Institute's publication, SP 98, *Computer Applications in Concrete Technology 1987*, is available for \$33.75/\$43.75 (ACI members and non-members respectively) from ACI, P.O. Box 19150, Detroit, MI 48219-0150; TWX 810 2211454.

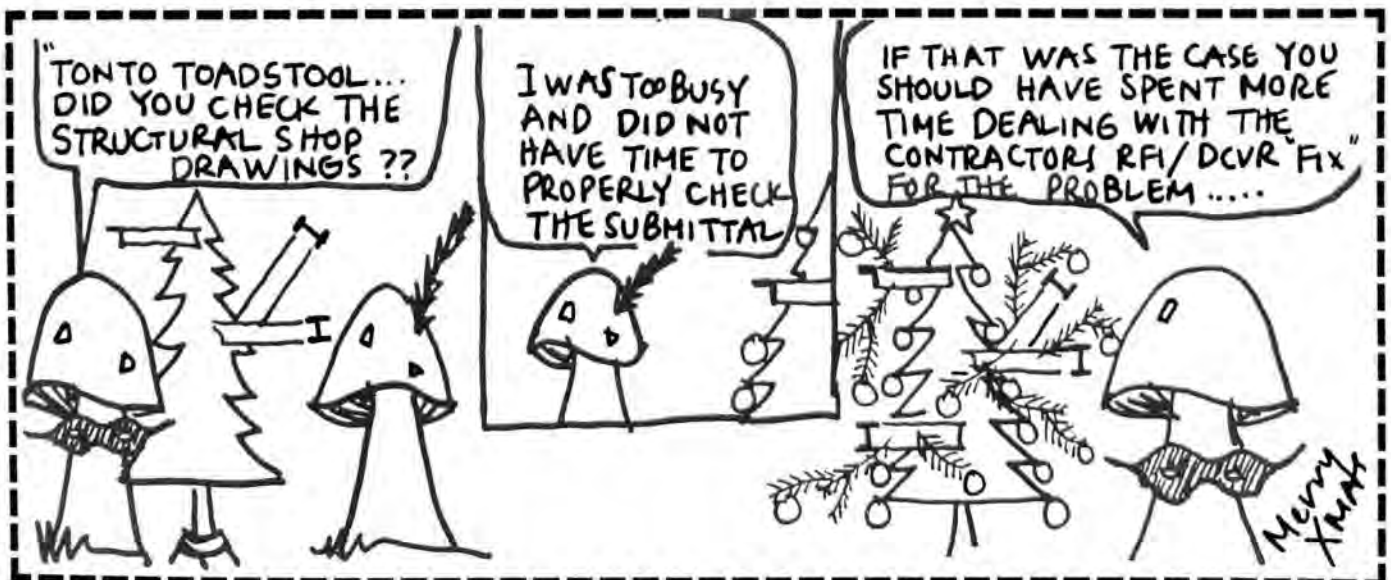
CCS Registration Deadline Approaches

Did you know:

- **the CCS behind one's name has practical benefits?** When awarding contracts, Alaska's Department of Transportation and Public Facilities states "consideration will be given" to personnel on a design team whose members are certified construction specifiers.
- **the CCS registration deadline is January 15, 1988?** If you need an application form or additional information about the CCS program, contact the Manager of Education Programs, CSI, 601 Madison Street, Alexandria, VA 22314-1791; or call (703) 684-0300.



"The Still Further Adventures... of the Lone Mushroom and Tonto Toadstool"



by Dennis Destefano, '87

**Portland Chapter
Leaders, 1987-1988**

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 President-Elect,
 Inga Vrla 635-6227
 Secretary,
 John Brockamp 655-9151
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 Executive Director,
 Margie Largent 636-6977

Board of Directors

John Kehrli, Ind. '89 644-7102
 Jim Peterson, Prof. '89 227-0212
 Paul Wilson, Prof. '89 636-9768
 Carl Urben, Prof. '88 226-2921
 Roy Josi, Prof. '88 226-8462
 Tom Shea, Ind. '88 760-6433

Committee Leaders

Awards, Tom Shea 760-6433
 Certification,
 Lee Kilbourn 224-3860
 Editors,
 Linda Bowman 222-1917
 Rochelle Geving 234-0281
 Education,
 Jim Peterson 245-1792
 Hospitality,
 John Kehrli 644-7102
 Liason, Gary Madison 241-2875
 Library,
 Candace Robertson 222-3753
 Long Range Planning,
 Richard Ehmann 644-4222
 Membership,
 Steve James 288-5195
 Products Fair,
 Joe Woods 232-4000
 Technical Documents,
 Bruce Townsend 228-6444

Region Responsibilities

Technical Documents Committee,
 Robert Klas 644-4222
 Nominating Committee,
 Margie Largent 636-6977
 Region Trustee,
 Jim Davidson 226-3508

Region Directors

John Greiner, (206) 455-5236
 Greiner & Associates
 P.O. Box 1927
 Bellevue, WA 98009
 Richard Gira, (503) 224-8226
 NW Lath & Plaster Trust
 4621 SW Kelly
 Portland, OR 97201

Institute and Portland Chapter dues for the year are as follows: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specification Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editors, Linda Bowman and Rochelle Geving
 1125 SE Madison, #200
 Portland, Oregon 97214

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NEXT MEETING

Tuesday
February 9, 1988

SPEAKER

Jeff Harvey
Electrical Applications
Specialist, PGE, ERC

TIME

Social hour, 5:30-7:00 pm
No Host Bar
Dinner and Program,
7:00-9:00 pm

COST

\$15 per person.
Friends, spouses and guests
are always welcome.

LOCATION

Westin-Benson Hotel
SW Broadway & SW Oak

PARKING

Validated parking is available
for \$1 under the Bank of
California Building.

RSVP

CSI Offices, 238-1462
by 10:00 am, February 5th

Electrical System Power Quality Considerations

The speaker for the February Dinner Meeting will be Mr. Jeff Harvey, Applications Specialist, of PGE's Energy Resource Center. Mr. Harvey will discuss changes in electrical technology.

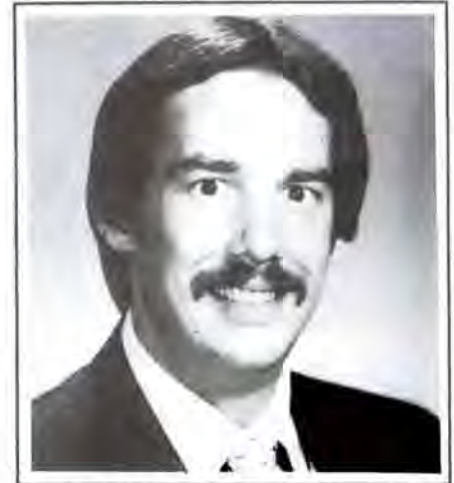
"There was a time when electric power was considered an almost generic product. It ran motors and lights and televisions alike, and with the exception of an occasional interruption, it was reliable. Times have changed, or more correctly, technologies have changed.

Technology has advanced, computers, telephone systems, and even televisions and household appliances are much more sophisticated in their electrical demands.

Utility customers must be aware of, and take steps to protect against, these power problems.

This presentation is intended to provide the necessary background on power disturbance sources, protection techniques, and available assistance to enable consumers to eliminate power problems as they arise, and to prevent them from becoming problems.

There are ways to protect sensitive equipment and there is help available in doing so".



Jeff Harvey, Electrical Applications Specialist, ERC

Jeff Harvey is a graduate of OSU with a BS in electrical engineering. He began his career with Portland General Electric Company in 1979 as a distribution engineer, and received his professional registration in July 1983. Since 1979, he has had experience with distribution system design and operation, commercial/industrial electrical service, and computer-grade power. As an ERC specialist, he is available to assist design professionals and building principals with electrical service design, operation, and maintenance by providing training, product displays, demonstrations, and technical resources. His specialties include computer-grade power, rotating machinery, and energy-management systems.

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Member Profiles
- Omaha District Guide
Specs
- Commentary

Board Report

Minutes of December 1, 1987 Board of Directors Meeting

Present: Curtis Finch, Margie Largent, Jim Peterson, Carl Urben, Tom Shea, Inga Vrla, Dennis Obert, Paul Wilson, John Kehrli, Joe Woods and Linda Bowman.

Absent: John Brockamp.

Excused: Roy Josi.

The meeting was called to order at 12:10 pm. Minutes were approved as corrected and committee reports were as follows:

Acting Treasurer, Jim Peterson: Handed out "cash flow" sheet. Budget not ready. Jim Peterson is to check with insurance company about being bonded for treasurer's position.

Products Fair, Joe Woods: Discussed changing date of fair from April 28th, Thursday to May 26th, Thursday. Vote of Board

was for April 28th. Discussed decorations, communicating system (registration, badges, etc.), joint program with AIA, publicity, graphics and theme "The Technologist".

The Predicator, Linda Bowman: Discussed the proposal she submitted to the Board, re: Purchase of computer for Portland Chapter CSI. A sub-committee was appointed to look into it. Sub-committee will include Margie Largent, Tom Shea, Jim Peterson, Curtis Finch and Linda Bowman. Budget FY '88 will include a portion of the cost of a computer.

Hospitality, John Kehrli: Ordered new badges. Discussion of December meeting for orientation of new members, door prizes (in budget), pins for new members, etc.

Education, Jim Peterson: Trading "hats" with Dennis Obert. Dennis is taking over as Leader of

the Education Committee. A new steering committee for future education projects: Obert, Wilson, Kilbourn, Townsend and Peterson.

Awards, Tom Shea: Hard at work and needs help!

Liaison, Carl Urben: Questioned status of Long Range Planning Committee work on Chapter Guide. Discussion on how to get some action. Guide needed.

Programs, Inga Vrla: Inga discussed sending special invitations for December program.

Technical Documents, Paul Wilson: No meeting last month. Nothing to report. First draft not complete.

Old Business, Margie Largent: Legal file cabinet still not found.

New Business: Invitation to AGC Christmas party on December 11th.

Meeting adjourned at 1:15 pm.
Respectfully submitted,
Margie Largent, acting Secretary.

"The Still Further Adventures of the Lone Mushroom and Tonto Toadstool"



BS by KS

Basic Specs by Ken Searl

Have you noticed the changes and improvements in The Specifier publication? For many months now it has been getting better and better. I am particularly impressed with the last issue received, December 1987. The general appearance is greatly improved and the articles are all great. Most notably there are articles discussing *High Strength Concrete, A201 1987, Single Ply Roofing: Exploring the Options, The Roof Research Center: Testing the Options, Legal Points, Newsbreak* where a survey finds A/E liability crisis continuing and many more great articles.

This last article mentioned gives food for thought in our local area. It says Oregon pays the highest share of their annual billings in professional liability insurance premiums. Yes, you guessed it, California is second at 6.6%. One would think California would be first. Structural Engineers are hardest hit paying more than 9%. An alarming fact appears showing a record number of firms "going bare".


I would like to know why Oregon has the highest listing for this type of insurance. What are we doing wrong to get into this position? Is it drawings, specifications or what? There can be one other item to consider and that is enforcement of specifications. This can be a two-edged sword. 1) being not enough enforcement of written specifications, and 2) not enough enforcement of specified items being installed properly. Believe me this is an important item and you may remember I have shown concern about this in the past. If a specified product is installed improperly and fails, this can cause

just as much trouble as a non-specified product or system failing.

I guess what I am really saying is it behooves a firm to get out there and investigate how a specified product or system is being installed. This also applies to a non-specified product or system. Also one should strive to specify correct products or systems.

There is the question of which item, drawings or specifications, causes the most claims and places Oregon in the highest category of insurance costs. According to all information I have read in the past it is specifications that is the biggest producer of claims. What can we do about it? It appears obvious to me that specifications must be clear and concise, specified items suitable for the intended application and strict enforcement of specifications which includes verifying the specified item is installed properly.

Let's talk about drawings. Our big concern here is omissions and discrepancies. Sometimes a drawing will show the (infamous) intent of what is wanted but details do not match or are non-existent. In this case usually what the designer had in mind has not been communicated correctly and/or in detail to the contractor.

If anyone out there has some good ideas on how to reduce the cost of malpractice insurance in Oregon, please contact us or the local chapter of the AIA. Oregon has been noted for many "firsts" but I don't believe any of us want Oregon to be first on this item. 

Watch your mail for the Northwest Region Director ballot. Please take the time to vote for this very important position and mail it back as soon as possible.

Omaha District Guide Specifications Available from CSI Data Services

The Construction Specifications Institute (CSI) and the Omaha District Corps of Engineers (COE) signed a memorandum of understanding whose fulfillment will benefit interested architectural/engineering firms in the private sector.

The memorandum outlines the cooperative effort between the Omaha COE and CSI to convert Omaha's district guide specifications to forms compatible with commonly used computers and word processors. These specifications, though originated by a military organization, are frequently used by the general industry when writing their own specifications. Previously, Omaha could only offer A/E's their guide specifications on disks compatible with Burroughs word processing equipment.

CSI worked with Omaha to convert the Burroughs disks to IBM-compatible disks for WordPerfect Software (4.2 version). Now, through CSI Data Services, A/E firms can obtain the guide specifications without having to retype each specification into their own system from scratch.

These specifications are available as magnetic media or a hard copy. Both sets include graphics to accompany the text. A basic subscription for these specifications costs \$1,295. A full subscription, which includes three quarterly updates, is available for \$1,686. Hard copy alone is \$395 for a basic subscription, \$595 for full.

To order Omaha District Military Guide Specifications, contact CSI Data Services, 400 Oser Avenue, Hauppauge, NY 11788, (800) 235-3515; in New York, call (516) 231-4646.

---Continued on Page 7

Member Profiles



Mike Minturn of Evanite Permaglas, Inc.



Jack O'Brien of Concrete System, Inc.



Les and Paula Seeley of DEL Distributing.

In August of 1986, Mike Minturn joined Evanite Permaglas, Inc. as a manufacturer's representative. Evanite Permaglas, Inc. is a Corvallis based company that manufactures roofing products.

Mike has succeeded in getting his product specified in school projects - an important goal he established when he joined Evanite. A few of the many fine projects that Evanite has participated in include Columbia Industrial Park and North Clackamas School District.

Although he has lived in several states such as Texas and Iowa, Mike was born and currently resides in Vancouver, Washington. Outside of his busy work schedule, Mike enjoys snow skiing, Karate and flying gyrocopters.

Mike intends on becoming more active in our chapter activities. He believes CSI can offer him an excellent learning experience by putting the entire construction industry into perspective. CSI welcomes Mike and looks forward to seeing him at our monthly meetings.

Jack O'Brien was born in Seattle but was raised here in Portland. As a marketing sales representative for Concrete Treatment Systems, Inc. he promotes the product CrystalSEAL. He sets up distribution centers through distributors and dealers. Currently, he is contemplating an expansion of the business nationwide. A few of Jack's favorite jobs include the Veterans Administration Hospital and the Seattle Metro Tunnel.

Jack and his wife Julie have three children, two of whom are in college. Although tennis and golf are a few of his hobbies, Jack lives to snow ski.

Jack joined CSI in 1980 in hopes of learning more about architectural specs.

A very special thanks to Jack for his recent help in selecting computer equipment for the Portland Chapter.

Les and Paula were both raised in Portland. Paula graduated from Linfield College in 1975. The two met while in the Army Reserves. After 30 years of service Les retired in 1985 as a Lt. Colonel.

DEL Distributing was born as an Oregon Corporation in 1981. The company is an outgrowth of the Manufacturer's Agent Co. which was started in 1973. Principals of DEL are Paula Seeley, President, and Les Seeley, Vice President.

Paula who is much younger than Les, and much better looking, is active with an international women's sorority, Beta Sigma Phi. Les who is much older, has six children by a previous marriage and 8 beautiful grandchildren. Les enjoys golfing and working in his shop. They are both very involved in square dancing.

Les has been a member of CSI for 10 years. He was elected the first industry member President of the Portland Chapter back in 1972. He has been the Editor of the Predicator, a member of the Board of Directors and the list goes on.

Thanks to both Les and Paula for all of their hard work over the past ten years.

**Next meeting for the Portland Chapter CSI
Technical Documents Committee will be held
Thursday, February 18, 1988 at Noon.**



January Dinner Meeting

PGE's Energy Resource Center



Corwin Hymes appreciates new lighting possibilities.

"The purpose of the ERC is to facilitate energy information and education between commercial/industrial design professionals, customers, and manufacturers in an environment where there is not the pressure to buy", said Paul Jensen, Manager of ERC.

With that welcome he introduced Kirby Brumfield, Energy Information Specialist at the ERC, who guided CSI members and guests through a brief videotape and discussion to explain the resources available to CSI members and how to take advantage of those resources. The ERC is an award winning 14,000 sf facility created by PGE, that is now being emulated by other utilities around the country. **"It has been in operation for a year,"** explained Brumfield. It includes a 100 seat auditorium for training; a commercial demonstration kitchen; a 2,000 sf equipment demonstration area; a technical library with a full-time librarian; a lighting laboratory; a staff that includes specialists in food service, mechanical, electrical, industrial, and lighting applications; and conference and meeting rooms.

Meals, as a part of meetings, may be included. A brief introduction was given by Brumfield of each of the ERC specialists, their background, their areas of specialization, and what they can offer to CSI members and their customers.

Members were then treated to a tour of the ERC. First stop was the equipment demonstration area. A typical use of this area was currently in progress. Johnson Controls was in the midst of an extensive, three day HVAC controls training class for their dealers and employees. Other uses of this area are for focused mini trade shows or equipment demonstrations in conjunction with training seminars. These kinds of events would be "lost" in large convention centers or auditorium facilities.

Next stop was the lighting laboratory with Lark Lahart, Lighting Applications Specialist, demonstrating the lab's wide variety of usefulness to design professionals and commercial/industrial customers. "Designers and clients can simulate color selections, furniture, and systems under actual lighting conditions," she explained. Any lighting product can be brought in and demonstrated because of the flexible wiring system. There is even a movable ceiling to test office lighting system effectiveness at ceiling heights from 7-1/2 to 10-1/2



Lark Lahart demonstrates lighting lab's wide variety of usefulness.

feet. There are also large, walk-in color analysis modules; mirror lighting displays; a hall lighting display; and a neon/cold cathode display. The bottom line, according to Lahart - one can see and test the total package of lighting, furnishings, wall and floor coverings, space design before a purchase decision is made.

Last stop on the tour was the technical library with Information Specialist Bette Stewart. How do you store over 16,000 manufacturers' catalogs in a space 20 inches



Bette Stewart explains how to use Technical Library.

wide by 20 inches deep by 5 feet high? Easy, with a VSMF (Visual Search Microfilm Files) System as demonstrated by Stewart. She also let members browse through the periodical racks which contain current editions of over 60 periodicals of value to the construction industry and book racks with reference volumes. Finally, she explained the complimentary tie-in with other libraries like the newly initiated Multnomah County Construction Library in which CSI played a key role.

As Paul Jensen said in his welcome, his and his staff's intent is to make it easy for CSI members and other professionals to use this facility as a useful and valuable resource for themselves.

---By Roy Josi



Northwest Region News

CSI Members Awarded for Outstanding Contributions by AIA



Lee Kilbourn and Dick Gira, proudly display AIA awards.

The Portland Chapter of the American Institute of Architects recognized Richard Alexander, Richard Gira and Lee Kilbourn for their "outstanding contributions to the profession" at their December, 1987 meeting.

Mr. Alexander and Mr. Kilbourn were recognized for their efforts in introducing the new editions of AIA Documents B141 and A201 and "for the many seminars they have put on in an effort to inform and educate members of the industry in the use of these new documents."

Mr. Kilbourn was also recognized for his long-standing contribution to the national level AIA Documents Committee.

Mr. Gira was recognized for his tireless contributions to AIA. "Dick is a wonderful guy, he's an over-achiever and under-sung" says fellow AIA member John Barker. Dick has organized the AIA Golf Tourna-

ment, written countless articles to be published in *Architalk* and has served on various committees. All above and beyond the call of duty of an Affiliate Member. Congratulations to all three.

Product Show & Seminars

March 16, 1988,
Holiday Inn, Portland Airport

Hosted by:

The Oregon Chapter of
ASHRAE and
The Portland Chapter of ASPE

Product Show

12:00 pm - 8:00 pm

- See New Dimensions in Energy Technology
- Meet the Leaders in the HVAC and Plumbing Industry
- Talk to the Folks Involved with the Energy Efficient:

- Air Handling Systems
- Boilers/Burners
- Heat Pumps
- Pumps/Piping
- Water Heaters
- ...Just to list a few

Seminars:

Energy Management
(For information and reservations, call John Hopper, 503/233-5501)

Fire Protection Systems in Building with Atriums
(For information and reservations, call Rick Dusa, 503/234-0548)

ProSpec '88 - Puget Sound Chapter Offers Architectural Products Show



Targeted to architects, designers, spec writers, contractors, developers, building owners, realtors and allied professionals, ProSpec '88 is a unique hands-on architectural products show. It is set for February 25, 1988 at the Westin Hotel in Seattle.

A full day of events is planned for ProSpec '88. Beginning at 9:00 am Peter J. McLaughlin, an internationally recognized speaker will conduct the "Mentally Tough" workshop, based on his book titled *"Mentally Tough - The Principles of Winning at Sports Applied to Winning in Business"*. Exhibits will be opened at 11:00 am in the Westin's Grand Ballroom.

The February dinner meeting of the Puget Sound Chapter, CSI will follow the products show. Peter McLaughlin will be the dinner speaker. Complete information about ProSpec '88 is available from chairperson Lou Novak, at (206) 285-5870.

Commentary

The Other Side of The Fence, or T.S. (tough specs) to B.S.

One of the real pleasures I enjoy each month is reading the BS articles by Ken Searl in The Predicator. Yes, Ken they really do get read. For an old curmudgeon (is that in your Spelling Checker?) of the trade I find him refreshingly progressive and willing to lay it on the line. Past experience indicates Specifiers are generally their own worst enemies. Maybe it is the feeling of omniscience that sets in from years of telling construction people how something is "supposed" to be done in "accordance with...". As Ken correctly observed, there have been, and are a lot of technological changes taking place at an exponential rate. It is virtually impossible for an architect to keep abreast of them all, much less absorb the lineal feet of product data that expands daily on the shelves of his Technical Library.

Wouldn't it be a pleasure to replace those mountains of catalogs with a handful of floppy disks that can be kept in the specification writers bottom drawer. The time is coming. Some manufacturers already provide this plus all the details in CAD format to drastically cut production time and turn out details that are actually correct and work as intended.

I would like to see Specifiers move in the direction of Performance Specifications similar to what many government agencies, including the Corps of Engineers, are using. What do you really want the product to do? Spending many pounds of paper describing a product in minute detail, (which is probably inaccurate and out of date by the time it goes out to bid), only creates confusion, increase costs

and frustration levels and doesn't necessarily result in a better building.

If you write tough performance specs and stick to them without any back pedaling you should get quality products from reputable manufacturers who fully support and stand behind those products. Their reputations throughout the professional community and performance of the product are on the line. You must understand the performance parameters that are possible within manufacturing state of the art and not try to force a product beyond the limits it was designed for.

If there are any questions, spend a little bit of the owners construction budget for field testing to validate performance, or insist on independent test results of random samples. This insures that the performance specified is met and gets the attention of lesser quality manufacturers - fast. The degree of competition can be adjusted by the latitude in the performance parameters you are willing to accept. It would also be helpful in improving the quality of specifications to have an expert of the product or the product Rep review the section BEFORE it gets published to purge out the stuff which no longer applies or is simply incorrect. This is not being led down the Primrose Path.

There are a lot of very well qualified representatives in the field with a lot of up to date knowledge who really are conscientiously trying to help the Architect or Specifier do a better job and turn out a more accurate set of contract documents. Why not tap into that wealth of information and make life easier for yourself? You are guaranteed to at least learn things about the product you never knew. The purpose of CSI is the interchange of information between the Architectural community and

industry in a context of mutual trust and raising the overall awareness level of each sides products for the symbiotic benefit of both. Let's all try to work closer together, provide mutual support and turn out a better product and better buildings in the New Year.

---By Bob Thompson



Omaha District Guide Specifications Available from CSI

---Continued from Page 2

CSI, through its fulfillment agency, CSI Data Services, currently offers NAVFAC and Corps of Engineers master specifications in a variety of electronic formats. It also makes SPECTEXT, a master guide specification maintained by CSI for its affiliate, the Construction Sciences Research Foundation, available in more than 100 hardware/software configurations. As users' needs arise, additional configurations will be developed. CSI's goal, in terms of military guide specifications, is to eventually distribute all COE district military guide specifications, depending on the demand for such services. (As noted above, CSI already distributes the national military guide specifications; district guide specifications will vary due to regional requirements.)

Founded in 1948, the Construction Specifications Institute is a not-for-profit technical organization dedicated to the advancement of construction technology through communication, research, education, and service. CSI serves the interests of architects, specifiers, engineers, contractors, product manufacturers, and others in the construction industry.



**Portland Chapter
Leaders, 1987-1988**

President, Curtis Finch	636-9270
President-Elect, Inga Vrla	635-6227
Secretary, John Brockamp	655-9151
Treasurer, Dennis Obert	245-7802
1986-87 President, Dennet Latham (absent)	234-0281
Executive Director, Margie Largent	636-6977

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Portland, Oregon 97214

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Beaverton, OR 97005



NEXT MEETING

Tuesday
March 8, 1988

SPEAKER

KETIV Technologies, Inc.
CAD Technology -
Panel Discussion

TIME

Social hour, 5:30-6:30 pm
No Host Bar
Dinner and Program,
6:30-9:00 pm

COST

\$15 per person.
Friends, spouses and guests
are always welcome.

LOCATION

Westin-Benson Hotel
SW Broadway & SW Oak

PARKING

Validated parking is available
for \$1 under the Bank of
California Building.

RSVP

CSI Offices, 238-1462
by 10:00 am, March 4th

CAD - Computer Aided Drafting

The Portland Chapter CSI would like to invite you to the March Dinner Meeting featuring guest speaker Bob Palioca and associates of KETIV Technologies, Inc. KETIV will lead us in discussion and a demonstration of CAD.

KETIV's purpose is to provide micro/mini based Computer Aided Drafting/Design/Manufacturing and Engineering (CAD/CAM/CAE) workstations with a high level of support, service, training and customization to Architects and Engineers. These services are essential to any company presently using manual means of drafting, manufacturing, and/or engineering. This purpose is met by providing the following full spectrum of support.

- Initial consultation including analysis of needs, performance, and return on investment.
- Written specifications of hardware, software, training and support.
- Sales of all hardware components including computers, monitors, digitizers, plotters, printers, scanners, etc.
- Full testing, delivery and installation.
- Training for basic needs and advanced applications.
- Software development and customization.



- Extended support: Additional training, telephone support hot line, service, warranty repair, and system management.
- CAD industry support through KETIV seminars open to clients and non-clients on a wide range of CAD related subjects.

KETIV Technologies has established an excellent reputation for professional CAD support throughout the Northwest. Since 1983, they have been working with clients at all levels to help achieve productivity with AutoCAD for their specific applications.

Capabilities include:

- Needs Analysis
- System Recommendation
- Customization
- Training
- Support
- Drafting Services
- CAD Networks
- CAM Systems

Whether you're interested in CAD for your professional use or just curious how the big boys get it done, this meeting should be very informative.

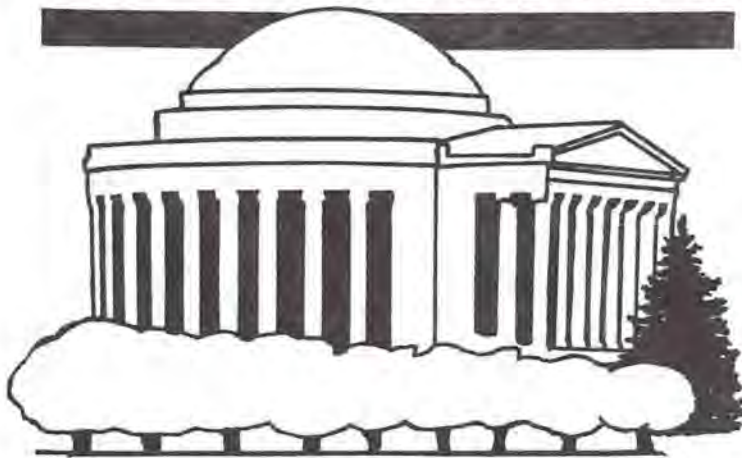
PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- MEMBER PROFILES
- 14TH ANNUAL PRODUCTS FAIR GEARS UP
- IMPORTANT '88 TAX INFO. (INSERT)

WELCOME TO WASHINGTON!



Jefferson Memorial

**Come Celebrate
CSI's 40th
Anniversary and
attend the CSI
CONVENTION/EXHIBIT
Featuring:
40 Educational
Sessions and
939 Exhibit Booths**

**Washington DC
Convention
Center
June 24-26
1988**



Construction Specifications Institute
601 Madison Street
Alexandria, Virginia 22314
(703) 684-0300

Board Report

Minutes of January 5, 1988 Board of Directors Meeting

Present: Finch, Josi, Kehrli, Kilbourn, Largent, Peterson, Shea Urben, Vrla, and Wilson.

Absent: Dennis Obert.

Minutes of the December meeting were approved as corrected.

Computer Sub-Committee, Margie Largent: Provided a computer update report. Motion to proceed with payment for computer approved.

Treasurer, Jim Peterson: Treasurer's report was approved and submitted.

Lee Kilbourn suggested in the future the Chapter consider paying member registration at Institute conventions.

Products Fair, Roy Josi: Products Fair report will be next month.

Hospitality, John Kehrli: Name badge purchase is complete. A new badge case is needed. Steve James is working with BOMA to arrange a joint membership program in 1988.

Education Committee, Jim Peterson: Education committee met on 12/21/87. Portland Spec Writers Sharing Group met 12/10/87 at ZGF. February's meeting will be at SRG.

Programs Committee, Inga Vrla: Working on seminar, How to Sell to Design Professionals. Committee is meeting regularly.

Awards Committee, Tom Shea: Five national award submittals are ready to go.

Liaison, Carl Urben: Working on Construction Practices Manual. Committee is planning our manual and reviewing the Willamette Valley Chapter Manual.

Technical Documents, Paul Wilson: Committee is active and working on concrete slab moisture monograph and three spec guide projects.



BS by KS

Basic Specs by Ken Searl

In an earlier article, a PS by KS mentioned one should always be sure to use a spelling checker. You may want to know what brought that about. Well, kind readers, I will tell you.

There are several reasons why I slipped that bit into the column. It seems to me we have become a lax nation when it comes to correct spelling. As an example, just a few weeks ago our Fred Meyer stores had an ad on television promoting the opening of a new store in Portland and they also said to be sure to see their **remodelled** store in East Salem. I snorted a bit and told the wife I ought to call them or send them a letter and point out their incorrect spelling, but by the time I got around to doing it they had corrected their spelling to remodeled. Well, I let this go by but the following week an ad appeared in our Salem paper by a local jeweler advertising a gumball candy **dispensor**. I don't believe they ever changed that ad so by now lots of people are firmly convinced dispenser is spelled **dispensor**.

By now some of you are probably asking, "So what?" Probably most people understood the message even if they didn't notice the incorrect spelling. Yes, this is probably correct and what it points out is our schools evidently are turning out students who don't know how to spell correctly. Now you know why I mentioned using a spelling checker. It not only makes

you look good when it comes to spelling but it can also pick up typing errors. It will not, as you may well know, pick up transposed words such as "typing from" in lieu of "typing form." This means you better be sure to proof-read all material before you send it out so some of it won't come back to haunt you. Besides, when you do proofread everything, you usually find a way to make improvements and that is great.

I didn't use my original CPM spelling checker because it seemed like it was too much trouble. One day I received a call from Lee Kilbourn, the editor of The Predicator at the time, and he said "hey, your last BS column had two **mistrakes** in it. I thought you had a spelling checker"... I replied, "yes I do have a spelling checker but I didn't use the rascal." Needless to say I have been using a spelling checker ever since. Besides the boss can't find as many mistakes when I present him with a rough draft of a report. Good spelling applies not only to us in the design and construction world but it applies to every walk of life and I firmly believe we should be ever vigilant when it comes to correct spelling. So there!

Incidentally, my spelling checker doesn't recognize Predicator or BS but we all know what The Predicator and BS mean.

PS to BS by KS: For your information, I was the second best speller in the second grade and that was in the days before we had computers.

Portland Bids Fond Farewell to Cherished Friend and Chapter Member



Cristal Arnold, 1950-1988

Linda Cristal Arnold died Saturday, January 30th after a long bout with cancer.

Cristal, as most of her Portland friends knew her, was an architectural representative for Interpace Industries, Inc., Sequoia Supply and Polymer Building Systems. She was an active member of the Portland Chapter CSI, serving most notably as the Chairman of the Products Fair in 1981. She organized a group of international exhibitors for the first time. She held a Certificate from the CSI Program and was a past Board member.

Cristal and husband Larry relocated first to Anchorage and then to Washington D.C. in 1985.

Cristal will be sorely missed for her involvement and enthusiasm. To Cristal's husband and family, the Portland Chapter offers their sincere sympathy.

Portland Chapter Purchases New Computer System -

This newsletter comes to you from the Chapter's new Apple Macintosh computer. With the availability of such wonderful desktop publishing technologies on the market it was inevitable that the Chapter would update the method of producing our monthly newsletter. Our new Macintosh will be used for producing The Predicator, keeping track of the Chapter Budget, compiling and storing the Chapter historical data, creating form letters for the Membership Committee and the list goes on and on. (*Here's to happy publishing!!! --- the Editor.*)

Member Profiles



Lee F. Kilbourn, FCSI of Zimmer
Gunsul Frasca Partnership, P.C.

Lee graduated from the University of Oregon in 1965 with a Bachelor of Science in Architecture.

Since he graduated from college he has been with what is now Zimmer Gunsul Frasca Partnership where he is an Associate Partner. ZGF is a design orientated architectural firm in Portland. As the Chief Specifications Writer, Lee participates on most ZGF teams.

Lee is also an important member of CSI, not just on a Chapter level but on a Institute level as well. Lee has received many awards in the Specifications Institute Competition. He recently received an award from the Portland Chapter of The American Institute of Architects, for "outstanding contributions to the profession". He continues on the AIA Documents Committee and was involved in the new additions of A201 and B141.

We all know Lee's wife Perky, who even though not a member of CSI, has contributed many hours over the years producing the dinner meeting notes for The Predicator. Perky has a Ph.D in microbiology and owns her own laboratory in downtown Portland. Perky and Lee have two daughters, Laurie and Ellen who both attend the University of Oregon.

Lee joined CSI back in 1965 as a Junior member and became a Professional member in 1967. Over the years he has been the Certification Committee Leader, the Chapter President, the Newsletter Editor and has held other chapter positions. (One or two people have reported that Lee has talked to them about membership.) Lee has made CSI a life long involvement and I'm sure you'll agree, we're glad he has.



Bruce Townsend of SERA
Architects

Bruce grew up in Seattle and graduated from Washington State University in 1965 with a degree in Architectural Engineering. He spent 4-1/2 years with the military, 3-1/2 of those he was based out of Japan and flying close air support for the fleet in the Gulf of Tonkin.

After being discharged, he went to Europe and traveled extensively. He then returned to Portland to practice architecture. He is presently with SERA Architects and is a Project Manager and a Specifications Writer.

For recreation, Bruce spends time on the Willamette River sailing

with friends and his 4-1/2 year old son Nicolas.

Bruce is this year's Technical Documents Committee Leader and has in the past been the Programs Committee Leader and for two years was the Co-Chairman for the Products Fair Committee.

Bruce feels that CSI has much to offer its professional and industry members. He says "because I have had the opportunity to meet technical and industry members on a personal level, I feel like I get a straight scoop when I call on them, which is pretty important as a spec. writer."

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for details at 234-0281

February Dinner Meeting

Electrical System Power Quality Considerations

There was a time when electric power was considered an almost generic product. It ran motors and lights and televisions alike, and with the exception of an occasional interruption, it was reliable. Times have changed, or more correctly, technologies have changed. PUC regulations, utility standards, and the National Electric Code, all of which govern how electricity is delivered, cannot ensure that the new generation of electronic equipment will operate properly with today's standard electric service.

Technology has advanced. Computers, telephone systems and even televisions and household appliances are much more sophisticated in their electrical demands. Performance of motors, lights and even heating systems are not affected by power line disturbances, but new age electronics can be severely affected.

Studies have indicated that 80% of these disturbances are generated within a household or facility. This means that utilities can only realistically improve a small percentage of these problems by altering their electrical system.

All of this really boils down to the fact that owners and end users of sensitive electronic equipment should be aware of these power quality problems and impacts, and take steps to protect their investment in this equipment.

In power quality, there is a lot of details to consider and various steps to take in ensuring a quality system. To many these details appear to be monumental. This need not be the case. Help is available in a number of areas. There are engineers, and contractors available locally, who are experienced in the correct approaches to quality power

systems, but do not assume. It is fair, in my opinion, to look for some proof of experience from these professionals regarding their power quality experience.

The local utilities are also available to assist those with power quality problems. They have the background and experience with the performance of their systems as well as those of their customers. In some cases their help may be limited, in others they may provide

the solution. In either case the utility should be the place to start any investigation of power quality problems. Portland General Electric provides the Energy Resource Center to commercial/industrial customers for just that purpose. If you are having problems, or you want to know more, the ERC is a good place to start.

---By Jeff Harvey, P.E.



Comic Relief ...

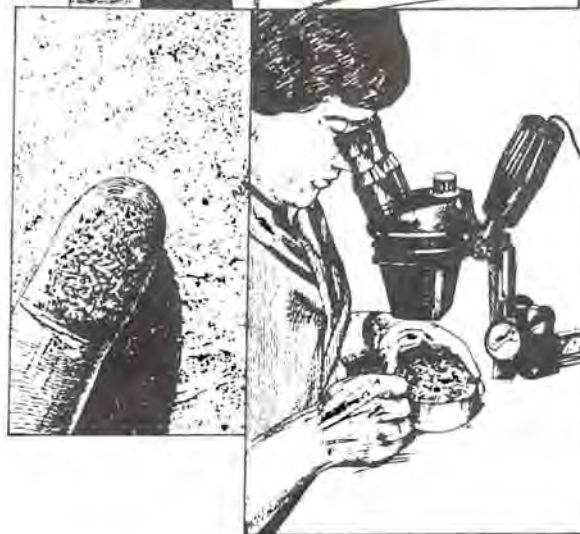


Northwest Region News

Troubleshooting Concrete Problems - and how to prevent them in the future

Who should attend?

Designers, contractors, owners and ready mixed concrete suppliers will benefit from the experience of nationally prominent presenters as they address troubleshooting problems with fresh and hardened concrete.



The ACI (American Concrete Institute) will sponsor a Trouble Shooting Seminar on April 21, 1988, from 8:30 am - 5:00 pm. Seminar location will be The Greenwood Inn, 10700 SW Allen Blvd., Beaverton, OR; (503) 643-7444. Registration will begin at 8:00 am and will be on a first-come first-serve basis with limited enrollment.

How can problems be prevented? - Determining the cause and extent of low compressive strength, cracking, scaling, honey-combing, deterioration, rebar corrosion, thin sections in slabs and misplaced rebars can be costly and time-consuming.

What does this seminar cover? - Program Topics

- Troubleshooting Fresh Concrete
- Troubleshooting Low Strengths
- Troubleshooting Slabs On Grade
- Troubleshooting Formed Concrete
- Troubleshooting Precast and Prestressed Concrete
- Techniques Used in Troubleshooting Concrete

For more information, write ACI Education Department, P.O. Box 19150, Detroit, Michigan 48219-0150 or call (313) 532-2600 today.

Portland Chapter "Awards Committee" Requests Nominations

Tom Shea of the Awards Committee is asking for assistance in nominating members for the 1988 Chapter Awards. "I'm looking for some fresh ideas", says Tom. If you know of someone who is deserving of an award or would like more information, call Tom Shea, 760-6433 or Margie Largent, 636-6977. The deadline for nominations is May, so hurry!

Group Study Program offered by Education Committee

For those persons registered to take the Certified Construction Specifier and the Certificate Program Exam on April 9, 1988, a study group will meet every Wednesday, noon for six weeks prior to the exam.

These meetings will be held at SRG Partnership, 520 SW Yamhill, Suite 231, (503) 222-1917.

Candidates are encouraged to take advantage of this group study program. It is an excellent way to get your own questions answered and to learn from the comments of others.

For more information contact Dennis Obert at (503) 226-1575 or Lee Kilbourn at (503) 224-3860.

Northwest Region News

Fourteenth Annual CSI Products Fair is slated for Thursday, April 28, at Montgomery Park

Portland CSI Products Fair '88
Thursday, April 28, 11:00 am-6:30 pm
Montgomery Park

The Northwest's Premier
Architectural Products Expo.

For exhibitor Information
contact Joe Woods
503/232-4000

*Innovation is the Product
of the Interaction
Between Ideas
and Application.*

Joe Woods, chairman of the Products Fair Committee, reports booth sales to be brisk, and is expecting at least as many exhibitors as last year (138). "I think we may even exceed last year's show in terms of exhibitor participation," said Woods. "Interest is very high, and inquiries are coming in from all over the Northwest and even outside the region. We're hearing from more Seattle based companies this year than in the past, and we're hearing from the entire spectrum of companies producing construction-related products and services."

The theme of this year's Products Fair, "The Technologists", seems to be exciting the imaginations of exhibitors, and it looks like

there will be many new products and systems on display. "People have to stop and think about what the theme means," said Woods, "and whenever you can engage the imagination, people get very interested." The Technologists theme symbolizes the innovation in the industry, but, at the same time, underscores the human element in any innovative process. "The person-to-person communication of technical information is what CSI is all about," said Woods. "I think this is one of the best themes we've had in some time."

Woods recently learned that in addition to publicity generated by the Fair Committee, and the commitment of the Construction Data & News magazine, the

Portland Daily Journal of Commerce will publish a special "stand alone" eight-page supplement the Friday before the Products Fair.

"This is a wonderful development," commented Woods, "and will probably translate into a couple hundred additional attendees. It also reflects the coming of age of the Products Fair as a major well-respected trade show in the region. We've gone somewhat quietly about our business for many years with little hoopla. People realize that the Products Fair is not a flash in the pan, and is, in fact, turning into one of the most anticipated trade shows in the Northwest."

Portland Chapter Leaders, 1987-1988

President, Curtis Finch 636-9270
 President-Elect,
 Inga Vrla 635-6227
 Secretary,
 John Brockamp 655-9151
 Treasurer,
 Dennis Obert 245-7802
 Executive Director,
 Margie Largent 636-6977

Board of Directors

John Kehrli, Ind. '89 644-7102
 Jim Peterson, Prof. '89 227-0212
 Paul Wilson, Prof. '89 636-9768
 Carl Urben, Prof. '88 226-2921
 Roy Josi, Prof. '88 226-8462
 Tom Shea, Ind. '88 760-6433

Committee Leaders

Awards, Tom Shea 760-6433
 Certification,
 Lee Kilbourn, FCSI 224-3860
 Editors,
 Linda Bowman 222-1917
 Rochelle Geving 234-0281
 Education,
 Jim Peterson 227-0212
 Hospitality,
 John Kehrli 644-7102
 Liason, Gary Madison 241-2875
 Library,
 Candace Robertson 222-3753
 Long Range Planning,
 Richard Ehmann, FCSI 644-4222
 Membership,
 Steve James 288-5195
 Products Fair,
 Joe Woods 232-4000
 Technical Documents,
 Bruce Townsend 228-6444

Region Responsibilities

Technical Documents Committee,
 Robert Klas 644-4222
 Nominating Committee,
 Margie Largent 636-6977
 Region Trustee,
 Jim Davidson 226-3508

Region Directors

John Greiner, (206) 391-8169
 Greiner & Associates
 P.O. Box 1927
 Bellevue, WA 98009
 Richard Gira, (503) 224-8226
 NW Lath & Plaster Trust
 4621 SW Kelly
 Portland, OR 97201

Institute and Portland Chapter dues for one year are: Institute \$110, Portland Chapter \$20, total investment is \$130. Please send your check for \$130 payable to the Construction Specification Institute to Steve James, at the CSI offices, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editors, Linda Bowman and Rochelle Geving
 1125 SE Madison, #200
 Portland, Oregon 97214

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THE PREDICATOR

Construction Specifications Institute - Portland Chapter
1125 SE Madison, Rm 200 Portland, OR 97214 238-1482

Vol. 27 No. 8

April, 1988

CSI PRODUCTS FAIR COMES OF AGE

This is the year the Portland Chapter CSI Products Fair joins the big leagues of the trade shows. I should have seen it coming last year or even the year before that. For the last four years the Products Fair has been growing bigger and bigger, becoming more respected and successful each year. But this is the year we really hit our stride.

I have to thank the membership and directors of CSI for having faith in my abilities as a manager and producer of such a large event. Although at times there may have been some apprehension along those lines (especially in my own mind), the trust I have been given has ultimately paid off for the association and for myself personally.

This year's Fair will be the biggest and the best - with your help. If you are an industry member, please consider being an exhibitor at the show. I know you won't regret it. If you are a professional member, please make plans to attend the show and the exciting morning presentation co-hosted by AIA.

Since this is my last year with CSI (my current professional

"If you are an industry member, please consider being an exhibitor at the show. I know you won't regret it. If you are a professional member, please make plans to attend the show and the exciting morning presentation co-hosted by the AIA"



Joe Woods: "big leaguer"

duties will preclude my participating in your fine organization), I would like to thank a few of you for your advice and support. First, thank you John Barker for offering me the opportunity to produce the show; Thank you Dick Gira for your confidence and encouragement; Thanks Inga Vrla, Margie Largent, Dennet Latham, Dennis Obert, Jim Peterson, Jannelle Chorzempa,

Jack McGilvary, Lee Kilbourn and everyone else who has given me a free hand in establishing concepts and following through with my ideas.

But most of all, I want to thank the exhibitors for making the Portland CSI Products Fair one of the most successful local shows in the nation. I will miss you all.

-- Joe Woods, CSI--

PORTLAND CHAPTER

CSI

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- Next Meeting, Page 2
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- Futurist, Page 4

NEXT MEETING

Tuesday
April 12, 1988

PRE-DINNER PROGRAM

Asbestos Seminar

TIME
3:00-5:30 pm

COST
\$15 for Members
\$20 for Non-Members

LOCATION
Westin-Benson

DINNER MEETING

SPEAKER
John C. Biechman
V.P., Safe Buildings Alliance
"Asbestos in Buildings"

TIME
Social hour, 5:30-6:30 pm
No Host Bar
Dinner and Program,
6:30-9:00 pm

COST
\$15 per person.
Friends, spouses and guests
are always welcome.

LOCATION
Westin-Benson Hotel
SW Broadway & SW Oak

PARKING
Validated parking is available
for \$1 under Bank of
California Building

RSVP
CSI Offices, 238-1462
by 10:00 am, April 8th

Pre-Dinner Program

Asbestos Seminar

This Seminar will be moderated by Dennis Obert of BOOR/A Architects. Speakers to include:

- Wendy Sims of DEQ will discuss the "Rules and Regulations of Using Asbestos."
- Bob Mircovich of Western Asbestos - "How to Select an Abatement Contractor."
- Steve Smiley of PBS Environmental - "Managing Asbestos Operations as a Consultant to the Building Owner."
- David Butts, Vice President, Oregon Chapter of The National Asbestos Council - "Asbestos in the Dirt Floor Crawl Space: A Case Study of a Local Project."

Please RSVP your reservations for this seminar by 10:00 am, April 8th, call 238-1462. -- *Please note the cost of this seminar is separate from the monthly dinner meeting.* --

Dinner Meeting

Asbestos in Buildings

Concern about the presence of asbestos in buildings, including schools, is widespread. Because prolonged exposure to high levels of asbestos has been linked with such diseases as asbestosis, lung cancer and mesothelioma, **there appears to be a general public attitude that any asbestos in schools or other buildings represents an immediate threat to human safety. Unfortunately, this attitude has often led to hasty, unnecessary and even dangerous asbestos removal activities.**

Mr. John Biechman joined the Safe Buildings Alliance as vice-president in March 1987. **SBA, an association of former manufacturers of asbestos-containing products for building construction was established in 1984 to promote a scientifically sound approach to the issue of asbestos in buildings.**

As vice-president of SBA, Biechman focuses primarily on the group's information and liaison programs pertaining to commercial buildings.

Before joining SBA, Biechman served for nearly five years as vice-president for legislative and regulatory affairs of the Building Owners and Managers Association International (BOMA), a Washington-based commercial real estate trade association. Biechman managed the advocacy activities of Congress, federal agencies and model building code and standards organizations. He was also instrumental in developing and coordinating the associations' public affairs program.

Please join us for an informative, sound and sensible approach to the asbestos issue.

Northwest Region CSI Leadership Training

The annual leadership training session for Northwest Region chapters of CSI is scheduled for May 6 - 7, 1988 at Nendel's at the Portland International Airport, Portland, Oregon.

All CSI members are invited and welcome to attend, however, we urge all incoming officers especially to plan on attending. The agenda includes workshops and discussions about specific questions and concerns of chapter leadership and committee activities.

Nendel's has reserved a block of rooms for us ranging from \$40 to \$45 for single or doubles. Use the attached form for advance Reservations.

We look forward to seeing you!

Nendels

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Name of Group _____

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Rooms held until 6:00 pm unless guaranteed by major credit card* or advance deposit delayed, a phone call will hold reservations for a reasonable time

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City _____ State _____ Zip _____

Date of Arrival _____ Time _____ No. of Nights _____

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* American Express, Diners, Visa, Master Charge

The Associated General Contractors
and
The Multnomah County Library

presents

The Construction Library Workshop Series

May 4, 1988,
3:00 pm - 5:00 pm

Guest Speaker

Dan Huffman of Pozzolan Northwest, Inc.

Topic

"Concrete Additives"

Cost for this workshop is \$5 per person with pre-registration or \$6 per person at the door.

If you would like to attend this informative workshop, please fill out the attached form, include your check for \$5 and mail. Registration forms need to be received by 4/29/88.

For Reservations to *The Construction Library Workshop Series*, "Concrete Additives", mail this form to:

Kent Skibbie
Associated General Contractors
9450 SW Commercial Circle
Wilsonville, Oregon 97070

Name _____

Firm _____

Enclose check for \$5, payable to the AGC

Wednesday, May 4, 1988,
3:00 pm - 5:00 pm

Location: Multnomah County Library
Construction Library Section
801 SW 10th Avenue
Portland, Oregon

February 9, 1988

Gentlemen,

Cenco Architectural Wood is pleased to announce a new addition to our product line and labeling procedures. Our 20 minute wood lite kit for 1-3/4" door has been tested and approved by Northwest Testing.

The lite kit is available in most species and may be purchased in kit form or lineal footage. Prefinish is also available.

We have enclosed a technical data sheet for your convenience.

If you have any questions, please feel free to call for more information.

Thank You,

Cenco Architectural Wood
714 N.E. 55th
Portland, Oregon 97213
(503) 284-0024

Products Fair

Products Fair '88 - The Technologists

David Thomas to Offer Selling Seminar

Exhibitors at Products Fair '88 can gain valuable insight into the selling process by attending a special sales oriented presentation by David Thomas April 20, 1988 at the PGE Energy Resource Center in Tualatin.

Thomas, a well respected architectural rep. with close to thirty years in the field, will present the definitive seminar on "Selling to Design Professionals." Through a special arrangement with the Portland Chapter CSI, Thomas will offer this \$25 seminar Free to participants of Products Fair '88 - "The Technologists."

Thomas defines the business of selling to design professionals as "Convincing one person (the design professional) to instruct another person (the contractor) how to spend another person's (the owner) money."

Thomas has had extensive experience in sales training and motivation of many people and is known as a person that can achieve results. He is an active member of the Construction Specifications Institute and is currently serving as a Vice President of the national organization.

Joe Woods, Chairman of Products Fair '88 - The Technologists, is happy to offer Thomas' seminar to exhibitors. "For many of our exhibitors, this may be the only trade show they'll be in this year. This program will help them get a handle on what the design professional is all about, and how to sell to them. I see this as a great perc for being in our show, and I am pleased with Dennis Obert and the Education Committee, who are offering this great seminar."

"Selling is an art form of implying professionalism, knowledge, diligence and psychology to cause another to trust you, perceive that you are capable and knowledgeable and, thus, desire to use your product or service, as you have presented it, in order to achieve his or her goals"



David Thomas: *selling to design professionals*

RESERVATION COUPON

If you plan to attend this valuable *Pre-Products Fair Seminar*, fill-in and return this coupon or call by 4/15/88:

CONSTRUCTION SPECIFICATIONS INSTITUTE, INC.
1125 SE MADISON, SUITE 200
PORTLAND, OREGON 97214
503/238-1462

- Products Fair Exhibitors - One FREE Admission per Booth
 All Others - \$25 per Person, please enclose Check, payable to CSI

Name _____

Firm _____ No. in Party _____

Wednesday, April 20, 1988, 6:00 pm - 9:00 pm (followed by Question and Answer period)

Location: PGE Energy Resource Center
7895 SW Mohawk Street
Tualatin, Oregon 97062

Products Fair

Futurist to Speak at Products Fair '88

David Pearce Snyder, nationally recognized speaker and editor of "The Futurist" magazine, will be the featured speaker at Products Fair '88 - The Technologists, to be held Thursday, April 28, 1988 at Montgomery Park in Portland.

Snyder's 2-hour free presentation will be entitled "Our Knowable Future: A Guided Tour Through 20 Years of Innovation and Change," and is specifically designed to equip business decision-makers with the knowledge about the future they need to plan their business accordingly. Architects and engineers should be especially delighted with Snyder's presentation, as it deals extensively with what to expect the design and construction field to be like twenty years into the future.

Once again, the local chapter of the American Institute of Architects will co-sponsor the presentation, which will be from 9:00 am to 11:00 am April 28th. Jody Proppe, Executive Director of Portland's AIA, who recently saw a Snyder presentation at a national workshop, said "He is one of the most exciting and dynamic speakers I've seen. His scenario of future developments is at once chilling and at the same time uplifting, because he gives you the tools to deal with the uncertainty which the future holds. In my opinion, this is a **'must see'** presentation."

Snyder is a consulting futurist and pioneering social forecaster whose seminars on strategic planning and decision making have been attended by representatives from most of the Fortune 500 companies.

According to Snyder, "It is



Dave Pearce Snyder:
"our knowable future"

necessary for decision-makers to be as knowledgeable about their external operating environment as they are about their own business or professional field. By combining their own experience-base knowledge with an informed and purposeful understanding of the larger world in which they live and work, people can vastly improve the effectiveness of their long-term commitments and investments."

Construction industry decision makers are urged to attend this FREE seminar at 9:00 am, Thursday, April 28, 1988 at Montgomery Park in Portland. And don't forget to attend Products Fair '88 - The Technologists, which opens at 11:00 am in the Exhibit Hall adjacent to the seminar location.

March Dinner Meeting

CAD - Computer Aided Drafting

The program for the March dinner meeting featured Bob Palioca and associates of KETIV Technologies, Inc. who discussed the latest in CAD software. Bob is CEO/Chairman of KETIV Technologies, Inc. who specializes in CAD/CAM/CAE workstations. KETIV offers a high level of support, service, training and customization designed with the architect and engineer in mind.

Bob also presented an interesting discussion of the various levels of quality in available equipment. During his talk, three different CAD systems where operating, they ranged from a slower \$1200 system to an extremely fast \$12,000 system. A comparison of speed could easily be seen.

Bob introduced his two associates, Bart Spiegel, Vice President and Andy Hood, Head of Programming who then assisted Bob in demonstrating AutoCad using the three different systems. Time was made available to ask questions regarding the programs and equipment.

Next Meeting for the Portland Specification Writers Share Group

April 7, 1988 at Noon

ZGF
320 SW Oak Street,
Suite 500

Engineers who are interested in **page format** are encouraged to attend. For more information call Dennis Obert, 226-1575.

Board Report

Minutes of February 2, 1988 Board of Directors Meeting

Products Fair, Roy Josi: Joe Woods has Products Fair brochure in the hands of prospects. Four booths have been purchased. Advertising set for February. Committee meeting in mid-February. AIA will co-sponsor a speaker for the morning session. Dave Thomas, half-day seminar, "How to Sell to Professionals" was discussed.

Membership, John Kehrl: No membership report. Name badges are ordered.

Treasurer, Jim Peterson:

Budget is set up on Macintosh. Cash balances include:

\$2,800 checking,
\$ 825 Columbia Daily
\$1,846 Other
\$5,471 Total

Budget copy requested for next month.

Education, Dennis Obert: Specwriter page format discussion. Education Committee will meet February 8, 1988 at SRG offices. Discussing pre-meeting seminars.

Awards, Tom Shea: Awards submittal went to national on time. Committee is starting with region and local award work. Request committee chairman to come forward with recommendations.

Liaison, Carl Urben: No new action on manuals.

Programs, Inga Vrla: Programs discussion included AutoCAD, asbestos as a two-hour seminar prior to April meeting, and a technical documents program for the May meeting.

Technical Documents, Paul Wilson: Committee continues to meet on a regular basis. Building security will be a 1988 project.

Other Business, Curtis Finch: Lease agreement discussion included concerns regarding quality of space and \$100 per month cost.

New Business, Tom Shea proposed thinking of a bus pool for Sun Valley Region Conference next fall. Plane fare is approximately \$400. Treasurer should be bonded, Jim Peterson will get information.

Respectfully submitted,
John Brockamp, CSI



BS by KS

Basic Specs by Ken Searl

At the last CSI Board of Directors meeting held in Washington, D.C., it was voted that holders of the Certificate Examination could not use initials after their name such as CH (Certificate Holder). I think this should be given more consideration. It appears to me there is a great resentment among the persons who have not been allowed to use initials to designate their accomplishment. I have received letters and verbal complaints from several people.

I have been informed that when this Certificate program was first put into action, no intent was envisioned to allow the use of initials. I have also been informed that this item is in the hands of the LRPC of the Institute and if this is

the case it will be some time before any action is taken. I have also been informed that the plan is to allow or encourage non-member professionals and interested people to take the examination. I have no fault with this, but I believe initials are very important when it comes to our CSI members. This will continue to fester unless something is done and it can become detrimental to CSI in general if allowed to continue in its present status.

Now, what can be done about this situation? For one thing the CSI Board of Directors should re-evaluate this program and at least state what their objections are to the use of initials. It is noted that I, as a CCS, have no objections to Certificate Holders using initials after their names. I have talked to many other CCS Holders and with one exception they all agree with

me. It is noted that certain Certificate Holders are using initials of various types already and this certainly can cause some confusion. Another thing that might help is to put this issue before the entire CSI membership for a vote. It is my opinion that it would pass.

Does anyone else out there have any ideas on the subject. If you do, let your Region Directors know your feelings.

PS to BS by KS -

For those of you that are in a related profession or industry, I suggest you investigate the Certificate Program. I believe you would find this program of great value. Study courses are given through the Portland Chapter. Contact any CSI member, Lee Kilbourn or myself for information.



Commentaries

The Other side of the Fence

Warranties, Guarantees and Other Mysteries of Life....

It is always interesting to read the architects/specifiers' protective expectations on the performance of a construction product.

Understandably they want to give the owner the peace of mind that his beautiful new building will perform satisfactorily far into the future with a minimum of maintenance and headaches. The standard industry Warranty, however, is one year. Sometimes it is difficult to tell from the specs when the clock is supposed to start ticking. Is it one year from date of manufacturing, delivery, installation, beneficial occupancy, date of substantial completion, or final acceptance by the owner. For large projects it can be years from the time of installation until the owner finally moves in. Meanwhile, the product is performing as it should, but within a grace period giving the owner an extra value for his money beyond what would be considered a normal Warranty period.

Unlike the notorious used car 30/30 warranty (30 miles or 30 minutes), consumer products including construction materials come under the legally recognized "Implied Warranty" which specifies that a product has been "manufactured to give consistently satisfactory performance for the use intended". Any other written warranty basically limits the liability of a manufacturer and his responsibility for the product. Sometimes a manufacturer will try to limit the length of an implied warranty if State laws permit. A one year written warranty means

that if the product holds together for one year he is off the hook and "home free." Since buildings like spaceships tend to be built by the 'low bidder', this also assumes that the contractor or someone will still be around and in business during the warranty period to fix problems. Sometimes this is an over optimistic assumption in this day of rapid economic changes. The architect has gone on to other opportunities and seldom checks back with the owner five years later to see how things are holding up. Usually no news is good news. Finding out why something failed is a time consuming and sometimes expensive process.

Extending the warranty period beyond the normal one year is becoming increasingly prevalent among specifiers with terms of five years and even ten years not uncommon. The thing to keep in mind is this is not "free" to the owner. Like term insurance, he is "buying" the coverage in the form of a percentage of the purchase price that has been added when the project was bid. This increases the up front cost of the building. Again this coverage is only as good as the strong local company that supports the product and is capable of taking care of a problem. If the product warranty is for material only, which is normally the case, a company may either elect to furnish the item or the equivalent cost of the item. Someone else gets to install it which often far exceeds the original cost.

Replacement at no cost to the owner assumes a reliable local dealer tied strongly to the manufacturer who is willing to assume all the local responsibility for the products performance as well as its replacement. Have you ever tried calling the President of General Motors way back in Detroit to fix a part on your car out in Portland, Oregon? Where? I'm

sorry we must have a bad connection."

Of probably greater importance to an owner is a company's Guarantee that it stands fully behind a product, regardless, and intends to make good on all performance promises in order to protect its good reputation and increase the confidence in the products use. This usually comes from large, well established companies who have invested heavily in quality control, testing and the engineering necessary to establish a high degree of confidence in the quality and performance of their product.

It is an axiom of commerce that you will always get exactly what you pay for. You can pay a little bit now and a lot later or more now and very little later. This is always the tough economic choice facing both the architect/ specifier and ultimately the owner. Good Luck.

-- By **Bob Thompson, CSI**

--Commentaries, continued on **Page 7**

Institute News

CSI Membership Tops 19,000

CSI has surpassed its fiscal year 1988 membership goal two-thirds into the year, announced Institute President Robert L. McManus, FCSI, CCS. The goal was originally set for 18,715 members, but by March 1, the membership roster was at 19,077 members. McManus said this is a 3.3% increase over last year's membership during this period. Each of CSI's 129 chapters contribute to the recruiting process through chapter product shows and joint meetings and projects with other professional organizations.

Commentaries

Specifying Institutional Casework

Dealing adequately with both form and function of institutional prefinished wood casework presents a challenge to the architect: how to specify cabinetry that will be aesthetically pleasing and an integral part of the interior finish package and still endure the often severe use associated with an institutional environment?

A potential solution to this problem is to separate institutional casework into two broad categories - high-visibility public contact areas and areas generally seen and used only by the building staff. Following this line of thought (assuming a project of sufficient scope) the public contact areas such as business counters, reception desks, conference rooms, and the like are appropriate for custom casework of a unique design, while the staff-use areas are earmarked for cabinets of standard design.

The CSI specification format supports this view by allocating sub-sections for casework in two divisions: "Custom Casework" under Division 6 and "Manufactured Casework" under Division 12. When Division 12 is used to fullest advantage, it implies acceptance of the essential specifications of the approved manufacturers. In this way, the architect uses the strengths of each type of manufacturer.

The practical advantages of this categorization are several. First, this separation encourages competition by increasing the number of potential bidders. The advantage of custom cabinetry is that it allows the architect freedom in achieving a certain "look" and level of quality. On the other hand, designation of factory-built casework of stock components generally results in cost savings for the owner. Permitting the manufacturer to supply standard hardware and joinery will allow him to use the production system with which he has the most

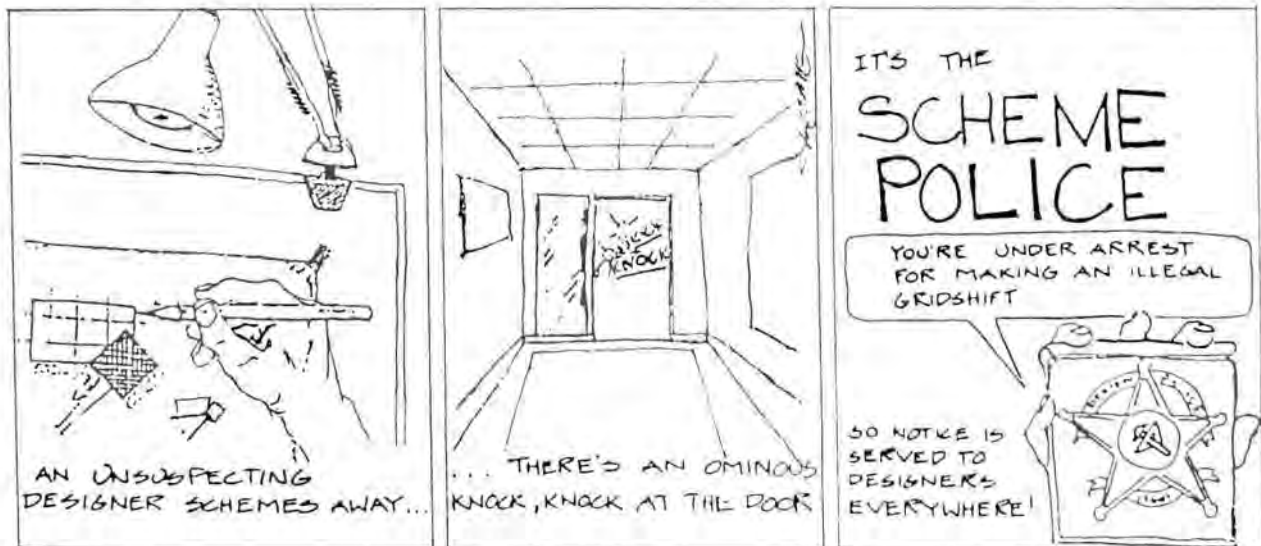
experience and in which he has a considerable investment. Deviations from the manufacturers standard construction tend to be factored into the bid price or result in a reluctance to bid at all. Although these manufacturers market stock lines of casework with standard specifications, they do offer some of the advantages associated with custom fabricators: flexibility of color, finish and size, and custom design for special-use situation. Thus, the two types of casework can be made to coordinate and complement.

The foregoing ideas are admittedly not revolutionary; they are in evidence on various current Portland-area construction projects. The object of this writer is to encourage more thorough acceptance of this approach by emphasizing that it effectively utilizes the manufacturing resources of our region and provides the best value for the clients.

-- By Edward Loy, CSI



Architectural Humor?



Portland Chapter Leaders, 1987-1988

President, Curtis Finch	636-9270
President-Elect, Inga Vrla	635-6227
Secretary, John Brockamp	655-9151
Treasurer, Jim Peterson	284-3214
Executive Director, Margie Largent	636-6977

Board of Directors

John Kehrli, Ind. '89	644-7102
Jim Peterson, Prof. '89	284-3214
Paul Wilson, Prof. '89	636-9768
Carl Urben, Prof. '88	226-2921
Roy Josi, Prof. '88	226-8462
Tom Shea, Ind. '88	760-6433

Committee Leaders

Awards, Tom Shea	760-6433
Certification, Lee Kilbourn	224-3860
Editors, Linda Bowman	222-1917
Rochelle Geving	234-0281
Education, Dennis Obert	226-1575
Hospitality, John Kehrli	644-7102
Liaison, Gary Madison	241-2875
Library, Candace Robertson	222-3753
Long Range Planning, Richard Ehmann, FCSI	644-4222
Membership, Steve James	288-5195
Products Fair, Joe Woods	232-4000
Technical Documents, Bruce Townsend	228-6444

Region Responsibilities

Technical Documents Committee, Robert Klas	644-4222
Nominating Committee, Margie Largent	636-6977
Region Trustee, Jim Davidson	226-3508

Region Directors

John Greiner
Greiner & Associates
P.O. Box 1927
Bellevue, WA 98009
(206) 391-8169

Richard Gira
NW Lath & Plaster Trust
4621 SW Kelly
Portland, OR 97201
(503) 224-8226

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The Predicator

Editor, Linda Bowman and Rochelle Geving
1125 SE Madison, #200
Portland, Oregon 97214

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NEXT MEETING

Tuesday
May 10, 1988

SPEAKER
Panel Presentation and
Audience Response

TIME
5:30-7:30 pm Social Hour &
Dinner, 7:30-9:00 pm Program

COST
\$15 per person. Guests and
spouses are always welcome.

LOCATION
Westin-Benson Hotel, SW
Broadway & Oak Streets

PARKING
Validated parking is available
for \$1 at the Bank of California

RSVP
CSI Offices, 238-1462 by
10:00 am, May 6th

What Owner's Expect from Contract Documents

The next meeting of the Portland Chapter CSI will be a continuing discussion of "*Specification Enforcement, or Application of Specifications.*" This is your opportunity to comment on what's wrong (or right) in the Construction Industry today. Subjects for discussion are: *Product Approval, Standards of Workmanship and Contract Administration.* It is most important that you bring questions and ideas to share at this meeting.

A Panel Presentation and Audience Response

Featuring:

- **Marv Byington**, *Const. Mgr., Port of Portland*
- **Jerry Foy**, *Westwood Development Corp.*



- **Wayne Stroud**, *Const. Mgr., Albertson's, Inc.*
- **Karl Granlund**, *Constr. Mgr., Payless Drug Stores*
- **Jim Hirte**, *President, Colomette Construction*
- **Les Seeley**, *Vice President, D.E.L. Distributing*
- **Wayne Stroud**, *Const. Mgr., Albertsons, Inc.*



PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- NW Region Leadership Conference
- New Chapter Officers Slated
- Construction Library Update

Board Report

Minutes of March 1, 1988 Board of Directors Meeting

Present: Vrla, Brockamp, Obert, Largent, Peterson, Josi, Urben, Kehrl and Shea.

Absent: Finch and Wilson.

The meeting was called to order by Presiding President Inga Vrla at 12:10 pm. The minutes of the February meeting were approved. Jim Peterson gave the Treasurer's report indicating that the budget is on computer. We are paying Product Fair bills on schedule.

The Predictor, Curtis

Finch: Absent, no report.

Products Fair, Roy Josi:

Products Fair Committee is looking into possibility of a combined industry show for 1989. Joe Woods reports CSI Products Fair

is a developed and mature show known throughout the northwest as a success. The morning program is co-sponsored by CSI and AIA and is expected to bring both professional and industry members to the show. Both the program and parking are free.

Hospitality, John Kehrl:

CSI membership pins are appreciated and more pins will be ordered. Hospitality will be active at the Products Fair. There will be a booth at the Products Fair with membership information.

Education, Dennis Obert:

Portland Spec Writers Share Group continues to meet at SRG. Final review of page format is expected. Certificate and CCS exams will be given April 9th. Educational seminars include the proposed Dave Thomas presentation, "How to Sell to Design

Professionals."


Awards and Nominations, Tom Shea: No news.

Liaison, Carl Urben: Construction industry manual committee is meeting. No report on long range planning. Dick Ehmann has the CSI manuals.

Programs, Inga Vrla: Program planned for March is Computer Drafting. April program is by W.R. Grace, topic to be asbestos abatement.

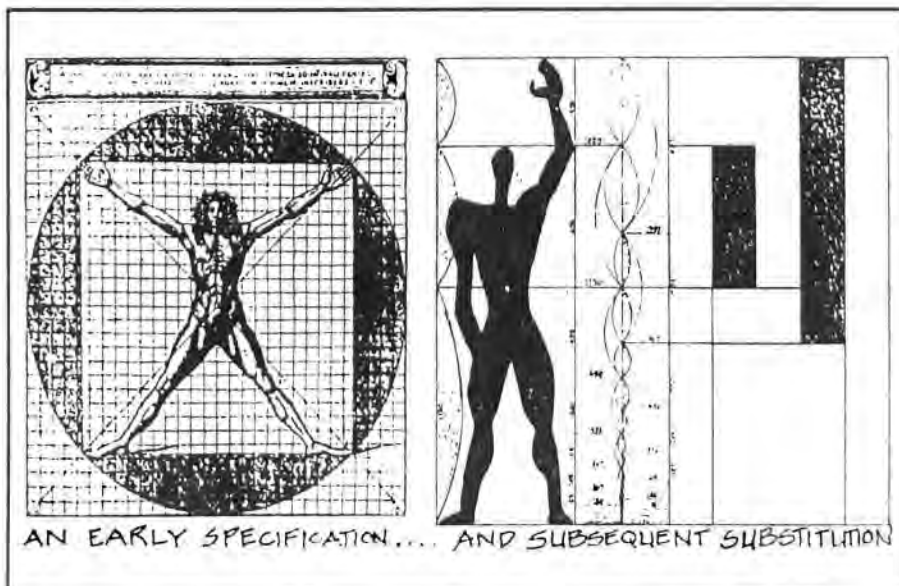
Chapter Direction, Jim

Peterson: Presented an outline to assist Portland Chapter CSI with annual procedure for planning. May 14th and 15th was established for meeting to develop a plan for 1988-89.

Products Fair, Joe Woods: 1989 Products Fair needs to be thought about. Who will be responsible? Will it be a joint products fair with other organizations? Will it be possible to hire an executive director for the fair? It is very difficult for one person to do it all. One option may be for one person to negotiate with vendors for booths and have the balance of the work completed by a committee. Joe will develop a guide "To Put on the Products Fair" based on his successful experiences. Inga commended Joe on his significant contribution to Portland Chapter. 

Respectfully submitted,
John Brockamp, CSI

More Architectural Humor?



BS by KS

Basic Specs by Ken Searl

I almost didn't get around to writing a column this month. It seems between a very heavy work load, a foot problem and a heavy social calendar I just can't get things under control. I was looking over past issues of this column and found I have written over 125 of them in the last 12 years. This does sound like a lot of BS by KS.

I do want to talk about CSI and the benefits gained from being a member. As you know CSI is a great organization which does a lot for the industry and individuals

in a technical category. When I joined in 1966 the membership was slightly over 8,000 and now it is nearly 20,000. I feel CSI has been a great help to me and to my firm, (the firm I took a temporary job with 24 years ago). Some folks feel that CSI is too socially oriented, but believe me some of the social activities help by creating opportunities to talk to people from other disciplines and other walks of life. I have gained much information and knowledge from meeting people from various places, including Canada.

Another nice plus is going to conventions and conferences. One can really pick up some good information at these functions.

Also one can travel and visit local or nearby sights either before or after one of these functions. For example, when the convention was held in San Antonio many of us went on to Mexico City for several days and the best thing about this trip was the cost. You won't believe this, but the air fare was \$6 less than just going to San Antonio and back to Portland.

If you know of any possible candidates for CSI membership get out there and sign them up because I firmly believe CSI membership is the greatest.

PS to BS by KS: Next month I promise to write about something more technical (more BS and less KS.)



The American Institute of Architects

and

The Multnomah County Library

presents

The Construction Library Workshop Series

June 1, 1988

3:00 pm - 5:00 pm

Guest Speaker

**Chuck Stalsberg, City of Portland,
Bureau of Planning**

Topic

City of Portland's "Development Manual"
(produced to assist Architects and Developers to interface with the building permit process)

* Development Manual will be available for \$20, payable to the City of Portland, at the door. Purchase of this manual is recommended for this workshop.

For reservations to *The Construction Library Workshop Series "Development Manual"*, mail this form to:

**Jody Proppe
The Portland Chapter, Inc.
American Institute of Architects
215 SW First Avenue
Portland, Oregon 97204**

Name _____

Firm _____

Enclosed is a check for \$5, payable to AIA

**Wednesday, June 1, 1988
3:00 pm - 5:00 pm**

Location: Multnomah County Library
Construction Library Section
801 SW 10th Avenue
Portland, Oregon

Member Profiles



Ron Lee of Barrentine, Bates, Lee AIA



Margie Largent



Rick Heiserman of WEGROUP, pc

Ron Lee has lived in Portland since 1972. He graduated from the University of Oregon with a Bachelor of Architecture Degree.

Ron became a Partner of Barrentine, Bates, Lee in 1980. Although the firm has a rather "democratic" structure, he helps write the bulk of the offices' specifications and is the partner-in-charge of their interiors department.

Recent memorable projects by the firm include HC 130 Maintenance Hanger at the OANG Air Base, (which received the 1987 Airforce Merit Design Award), the Lake Oswego City Hall and the Oregon State Bar Center.

With the subtle influence of Lee Kilbourn, Ron decided to join CSI in 1984. Although he is not as active as he would like to be, Ron plans to be more involved when time permits. He believes CSI is a great resource for trade information and educational support. We look forward to seeing Ron at future meetings.

Margie Largent has been an active member of our chapter since 1970. Her many contributions to CSI include Board of Directors, Chapter President, Newsletter Editor, and Regional Conference Chairman. She is currently the chapter's Executive Director.

Margie has lived most of her life in Oregon. She graduated from the University of Oregon in 1950 with a Bachelor of Architecture Degree.

Margie has had her own architectural practice since 1960. One of her favorite projects has been an Earth Shelter Project on San Juan Island.

During her non-professional hours, she is a very active community service volunteer. In 1980 she was listed in the Who's Who of American Women and in 1982 she was listed in the World Who's Who of Women for her community service and leadership qualities. It is easy to see why Margie has been awarded such prestigious awards, when you consider all that she has done for our chapter.

Rick Heiserman is a native Oregonian. He graduated from the University of Oregon in 1970 with a Bachelor of Architecture Degree.

Rick has been a Project Architect for WEGROUP, pc for the past five years. Most of Rick's work has been interior planning and master planning in the health care facilities field. A few of his most memorable projects include the Rocket Storage Project, Mann Terrace (part of Willamette View Manor), Rogue Valley Manor and Capital Manor in Salem.

Rick and wife, JoAnne have two daughters, Kendra who is 5 and Kaila who is just 12 weeks old. Rick enjoys backpacking, snow camping and biking when he finds time.

Rick joined the Portland Chapter CSI in 1986. He finds CSI meetings to be enjoyable and technically very informative. CSI thanks Rick for his participation in our Chapter meetings.



Letter to the Editor

Dear Linda:

Congratulations to you on the Institute Award for The Predicator.

Congratulations to Inga on obtaining an excellent program for the April meeting of the Portland Chapter of CSI.

I found the discussion of handling asbestos containing materials very interesting because my laboratory is currently doing research on biodegradation of two other groups of hazardous chemicals.

As a Laboratory Director of a licensed laboratory, which participates in proficiency testing to obtain and keep its licenses, I feel qualified to comment on the ability of a laboratory to pass a proficiency test.

According to the January, 1988 issue of ASTM Standardization News, the Asbestos Hazard Emergency Response Act of 1986 requires inspection, management, and abatement of asbestos in the nations schools. Laboratories must demonstrate their competence to analyze bulk material samples by polarized light microscopy using test method procedures specified by the EPA.

My concern is one of methodology. A laboratory is only as accurate and precise as the

methods which it is able to use. EPA has changed its accepted test methods since 1982 and until there is more standardization there will be difficulties in the accuracy and precision of asbestos testing. Sincerely,



J.P. (Perky) Kilbourn, Ph.D.
Laboratory Director

"Death and Dying are too often the Laborer's Reward"

This report is according to an article which appeared in the Spring, 1988 issue of Science Focus published by the New York Academy of Sciences, "Death and Dying are too often the Laborer's Reward."

Mesothelioma is a form of cancer which in 98 out of 100 cases, is associated with exposure to asbestos.

According to this article, physicians have known of the carcinogenicity of asbestos since the first published case in 1924 of asbestosis. Symptoms of asbestosis are severe lung-scarring and will result in shortness of breath or some other chronic respiratory

ailment.

This year the Senate will consider "The High Risk Occupational Disease Notification and Prevention Act of 1987 (S.79)", a bill introduced jointly by Senator Howard Metzenbaum of Ohio and Representative Henry Gaydos from Pittsburgh, who is a former steelworker. The bill has already won House approval.

"Among other stipulations, the new law would mandate that workers be notified if their risk for a particular disease, because of their job is significantly greater than that for the unexposed population. A risk assessment board set up by the statute would make that determination." This Metzenbaum-Gaydos bill has divided the business community. The bill should save thousands of lives and millions of dollars in health costs say proponents. While the Opponents worry primarily that the bill will "trigger big lawsuits". What in fact may happen will depend on how a case is handled. The above mentioned article discusses two cases in which workers in different industries were notified that they were exposed to a high risk cancer causing agent, one resulted in 171 lawsuits, the other in none. The concensus is that the Government and industry should not ban agents that cause disease but rather they should "control" them.

--Submitted by *Perky Kilbourn*

Northwest Region News

1988 Northwest Region Conference

Sun Valley, Idaho

Schedule:

Thursday, September 29, 1988

9:30 am - Registration
10:00 am - Golf/Tennis
Tournaments
4:00 pm - Reception

Friday, September 30, 1988

Registration
Speakers and Technical Session
Spouse/Guest Event
Western Barbeque and Dance

Saturday, October 1, 1988

Region Meetings
Planned Event
Awards Banquet

Sun Valley, Idaho is a world class resort offering a magnificent mountain setting, four championship golf courses, fishing, tennis, swimming and numerous other recreational activities.

There will be future mailings with registration and travel information and the finalized agenda. If you have questions concerning this conference you may contact the Idaho Chapters' Long Range Planning Committee Chairman, Don Wisdom at (208) 343-3663.

Northwest Region Leadership Conference

Each spring the CSI Northwest Region sponsors a leadership conference for those CSI members interested in acting as chapter officers or committee chair people. Acting Region Directors and Region Committee Leaders run workshops on Chapter Administration and operations of standing committees. Persons representing each office or committee from each of the six chapters in the Northwest Region have the opportunity to meet together at one time.

This year the Leadership Conference will be held Friday, May 6th and Saturday, May 7th at Nendel's Motor Inn, 7101 NE 82nd Avenue, (Portland International Airport), in Portland, Oregon, 97220, (503) 255-6722.

The Leadership Conference is open to all CSI members. It is especially for those members who are officers and committee leaders, or prospective officers and committee members who are interested in learning how CSI chapters and regions are organized and operate. The workshops give leaders and potential leaders an opportunity to learn from the region leaders and other chapters

how to establish committees and successful programs for the coming years. It is a chance to learn from our past experiences and to discuss ideas for the future.

Schedule:

Friday, May 6, 1988

1:30 - 5:30 pm
Lectures by Dick Gira,
John Greiner and Les Seeley
5:30 - 6:30 pm
Region Business Meeting
6:30 pm - Break
7:00 - 9:00 pm
Social and Dinner

Saturday, May 7, 1988

7:30 am - Continental Breakfast
8:00 am - Noon
Round Table Discussions

If you are interested in attending the conference, or just interested in being on a committee in the Portland Chapter, contact Inga Vrla at (503) 635-6227 or the CSI Offices at (503) 238-1462. If you plan to stay over night Friday, make your room reservation at Nendel's directly. They are reserving a block of rooms for us ranging from \$40 to \$45 for single or double rooms.

We look forward to seeing you!



Chapter News

Mark your Calendar!!

Tuck Lung's Restaurant
June 14, 1988

(According to the Chinese calendar the year is 4686 and it is the year of the Dragon.)

Members, friends and family are invited to help celebrate this special night, the-end-of-another-great-year for the Portland Chapter, and Annual Awards Banquet. Mark your calendars for June 14th and watch for details about this special evening in the June issue of The Predicator.

Industry News

Lifetime Bulb Lights Up Market

The Enterpriser, a \$3 bulb that is guaranteed to burn brightly for 135,000 hours, 15 years of continuous use, or 100 years under normal use in the home, is creating stiff competition for long-life light bulbs.

A Virginia state agency recently concluded a year long test that used 160 Enterpriser bulbs in a garage where lights burn 12-18 hours a day. During the study, only one bulb burned out.

Enterprise Systems, a Richmond, VA, company, has already sold about 100,000 lifetime bulbs, and rejected a multimillion-dollar buy-out from one of the nation's larger bulb manufacturers.

-- *Insight*, 2/22/88

Portland Chapter Officer Slate

The following is the slate of officers for the fiscal year 1988/89 as proposed by the Nominating Committee.

President: Inga Vrla '89
President-Elect: Tom Shea '90
Treasurer: Jim Peterson '89
Secretary : Jim Hirte '89
Industry Board
Member: Steve Miller '90
Professional Board
Members: Arden Newbrook '90
 Richard Burgess '90

The Nominating Committee thanks those members who volunteered to run for office and serve if elected.

This is a volunteer organization and it is very important that we do volunteer our time and energy to the work of CSI. It is equally important that we do not take advantage of the few who do volunteer to be leaders and let them lead alone. Let's all help! Remember Betty Bellwood's theme "Help Betty Deliver"? Watch for a way to help Inga and her leaders.

-- *By Margie Largent,*
Nominating Committee

The Construction Library Update

The Construction Library has purchased a complete set of the NAVFAC Guide Specifications. These Specifications are to be used by architects and engineers providing design services for the Naval Facilities Engineering Command (NAVFAC). The specifications, purchased through the American Consulting Engineers Council, are contained on approximately 100 floppy diskettes, to be run on an IBM PC using Word Perfect software. They are used with an index binder containing sketches to supplement the specifications on diskette.

If you currently have, or are considering bidding on, a NAVFAC contract, please call ahead for an appointment to use these specifications. Call Polly Westover, 294-3222.

Publications

PR for Design Firms

Interested in developing a public relations plan for your design firm? Purchase a copy of Jane Edmunds' *Public Relations for Design Firms*. Edmunds advises prospective PR practitioners how to produce newsletters and brochures and handle public speaking and media interviews with grace. For a copy, send \$31.50 to The Profit Center, 1227 West Wrightwood Street, Chicago, IL 60614.

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 President-Elect,
 Inga Vrla 635-6227
 Secretary,
 John Brockamp 655-9151
 Treasurer, Jim Peterson 284-3214
 Executive Director,
 Margie Largent 620-6573

Board of Directors

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 Mary Alice Hutchins 223-2920
 Paul Wilson, Prof. '89 636-9768
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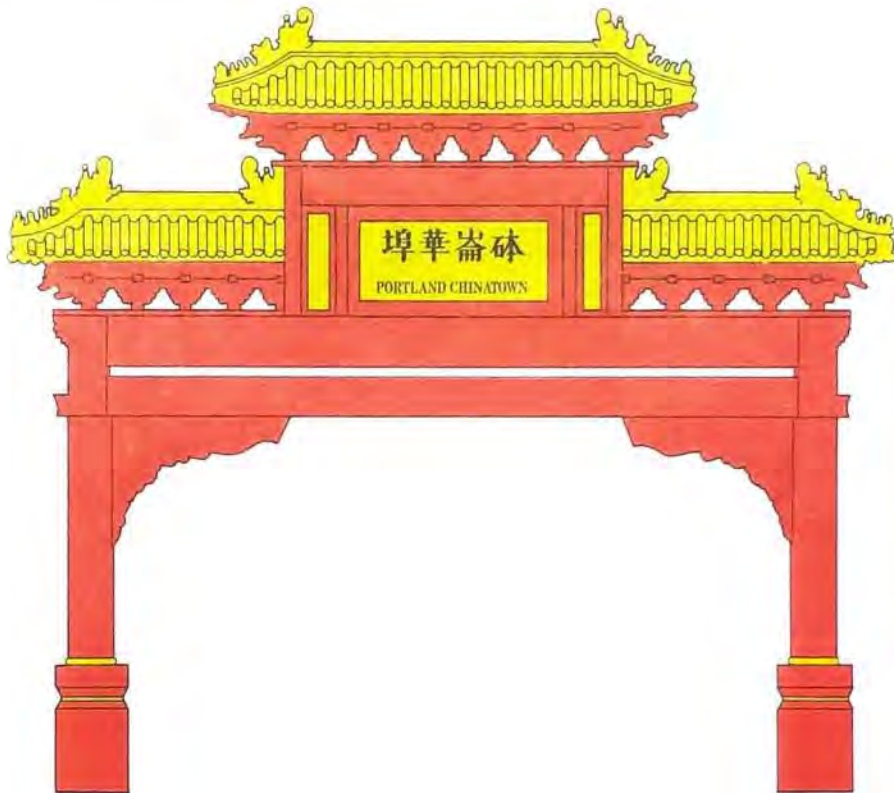
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THE CHINA GATE

Portland's first Chinatown Gateway was built to celebrate Oregon's oldest and largest Chinatown. The Gateway, rich in oriental tradition, is a symbolic entrance to Chinatown and a dramatic addition to downtown Portland.

Chinatown is an integral part of the city and adds a distinctive and vibrant atmosphere to the City's center. The Gateway promotes Portland's economic development and Chinatown's revitalization by attracting tourists and providing a tie with other

Pacific Rim cities. The Gateway is located over NW Fourth Avenue north of Burnside Street.

The Portland Chapter CSI would like to invite you to attend the June dinner meeting for a fascinating presentation of The China Gate by J. Min Luey. This will be the final meeting of the year, and a chance to participate in the Awards Banquet and welcome next year's chapter officers.

(The China Gate, Continued on Page 6)

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Next Meeting, Page 2
- Chapter Retreat, Page 6
- Document Conversion, Page 8

BS by KS

Basic Specs by Ken Searl

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

Much discussion has been held by many people including seminars and CSI chapter programs. I note the seminar held in Eugene last year won a national CSI award. I was on the panel and the seminar had a good attendance.

Why has this topic been so popular? It appears to me it is because rampant unauthorized substitutions and the lack of enforcement are very harmful to the industry. How and why did we get into this situation? Like many things it came upon us gradually and it now appears to be a real monster.

Many things contribute to this situation including Specifiers and architects who don't say what they mean and don't mean what they say. It is believed many specifications are not enforced due to price considerations and the hope of getting the bid within the budget so the project can proceed. Perhaps another victory for value engineering.

An item that I feel contributes to the problem and probably has helped escalate the situation is that some agencies do not allow pre-bid substitutions. Canny or rascally bidders accept and look for lower bids for a non-specified product with the probable thought they can get it approved or accepted later. This is one reason they are the low bidder. It appears to me there is a certain element of

risk involved but apparently many bidders take that risk.


In my opinion, approximately 50 percent of the time the main reason for a substitute product is strictly price and with a lower price the quality usually is down. Now as to the other 50 percent, many suppliers feel their product is as good or better than that specified and they want a chance to sell their product. This is a good reason but it would be much better to convince or to prove to the specifier prior to bidding just how good the product really is and how it compares to similar products. A specifier does need adequate time to evaluate a product.

Many times a rep. has called on me sometime after the contract has been awarded and then appeared shocked and unable to understand why I won't accept a non-specified product. They give you the impression that an after-bid approval is a common occurrence and why am I being so hard nosed. If this is true then we are all in trouble.

One of the oldest tricks in the books is for a contractor or supplier not to order the specified product on time and then come crying they can't get it soon enough so they guess they will have to order Brand X. Brand X somehow always seems to be available. Yep, you guessed it, it is no doubt cheaper and probably doesn't fit in too well. Another problem occurs when a wall or system involves sound treatment. What is the owner going to do when the building is scheduled for immediate opening and a sound test fails even though manufacturer's literature and the rep. guaranteed the product would meet the test.

I don't know just what the outcome of all this will be but I do believe with all the discussions going on and with much snarling

and gnashing of teeth some sort of a correction or conclusion should occur in the near future.

Remember, when you specify a product be sure to find out the availability of the product, and be sure it will fit within the project time schedule. Don't forget the CSI NW Region Substitution Request Form that is approved by all chapters in the Region. If you don't have one and can't find one, let me know and I will promptly send it to you. 

NEXT MEETING

Tuesday
June 14, 1988

SPEAKER

J. Min Luey, The China Gate and Annual Awards Banquet

TIME

Social Hour, 5:30 pm,
(No Host Bar)
Dinner, 6:00 pm,
Program to follow.

COST

\$15 per person. Guests and spouses are encouraged to attend.

LOCATION

Tuck Lung Restaurant
140 NW 4th (in Chinatown)

PARKING

Plenty of meter parking in area.
(Free after 6 pm daily.)

RSVP

CSI Offices, 238-1462 by
10:00 am, June 10th

Board Report

Minutes of April 5, 1988 Board of Directors Meeting

Present: Vrla, Brockamp, Largent, Wilson, Josi, Urben, Hutchins, Shea and Peterson.

Absent: Finch and Kehrl.

Also Present: Obert, Kilbourn and Gira.

The meeting was called to order by President-Elect Inga Vrla at 12:10 pm. The minutes of the March Board meeting were approved as corrected.

Jim Peterson gave the Treasurer's Report noting that the Products Fair expenses are being paid on time, as requests are submitted.

Products Fair, Roy Josi: The Products Fairs' best publicity is The Predicator. A poster has been published and circulated. Thirty booths are still available. A sign-up sheet for the Membership Booth will be circulating at the April 12th Dinner Meeting.

- Education, Dennis Obert:**
- Specification Writers Share Group continue to meet on Thursdays. Group is now reviewing "section format" and "page format." Certification Program is active.
 - Members remain dissatisfied with the Certificate Program lack of recognition. Margie and Inga will prepare a letter protesting the Institute's position and present the protest at the Convention meeting in June.
 - Dave Thomas Seminar "Selling to Design Professionals" is scheduled for April 20th at PGE ERC.

Awards, Tom Shea: Awards Committee is meeting April 5th.

Nominations, Margie

Largent: Margie presented the nominations for Chapter Officers and Board of Directors positions for 1988-89:

- President: Inga Vrla,
- President-Elect: Tom Shea,
- Treasurer: Jim Peterson,
- Secretary: Jim Hirte,
- Industry Board Member: Steve Miller,
- Professional Board Members: Arden Newbrook and Dean Smith. (Deane Smith withdrew his nomination due to work load, Richard Burgess has volunteered.)

Liaison, Carl Urben: The Joint Committee, AIA, AGC, CECO, CSI, is meeting April 19, 1988. Construction Practices Manual is still in the making.

Planning, Dick Gira: Reported the CSI/AIA Golf Tournament is scheduled for September, 1988.

Programs, Inga Vrla: April program "Asbestos in Buildings" presentation will be by John C. Biechman. The May program, Bob Klas and a panel will discuss Specification Enforcement.

Technical Documents, Paul Wilson: No report.

Certification, Lee Kilbourn: Reported that Certification exams will be taken in April by ten people. Three for the Certificate Program and seven for Certified Construction Specifiers.

Board actions taken changing responsibilities and positions:

- Dennis Obert resigned as Board Member and accepted responsibility of Education Committee Leader. Mary Alice Hutchins will be filling the vacant Board position.
- Jim Peterson has been appointed Treasurer.
- Portland Chapter CSI Board of

Directors adopted as Chapter Policy:

1. Portland Chapter will pay the registration fee for the 1988 CSI Convention for active members where Portland Chapter is the "Home" Chapter. The definition of an Active Member remains somewhat undefined, but if a person has been to 3 or 4 chapter meetings, actively participated in a chapter committee, held chapter office, been a delegate to previous Institute Conventions or made similar efforts, the Chapter Board may respond favorably to a written request for the chapter to pay the registration fee.

2. The Registration Fee does not include transportation or lodging.

3. The Portland Chapter designated the first \$880 profit for year 1987-88 for payment of a registration fee up to \$160 each for attending, and reporting on, the June, 1988 National Convention to be held in Washington, D.C.

4. A written report would be expected about the sessions attended for the September issue of The Predicator.

5. Requests should be delivered to the Chapter Secretary, John Brockamp, in time for Board Meetings, the first Tuesday of each month.

6. The Chapter Board does not anticipate setting a precedent either for future years or for Region Conferences.

Old Business: Planning Session/Retreat, Jim Peterson: Advised that 1 day for Retreat would be too short, but 1-1/2 days would be sufficient.

—Respectfully submitted,
John Brockamp, CSI —



Northwest Region News

Northwest Region Leadership Conference held May 6th & 7th

Twenty-two Portland Chapter members and five spouses attended the Leadership Conference held in Portland recently.

The Conference started on Friday afternoon with lectures by Dick Gira, John Greiner and Les Seeley. The topics were motivation, CSI and keeping volunteers motivated. The program was well planned and ran smoothly. I definitely felt motivated and ready for the "upcoming year"!


Friday evening we met for dinner and conversation, a great time to renew old acquaintances and to remember past meetings.

Saturday morning, after a continental breakfast, we started our Roundtable discussions. From my point of view these were successful, some more so than others. Steve James chaired the roundtable on Programs and Linda Bowman held court with the Chapter's computer at the Publications roundtable. For some reason Administration was popular - there were more than ten people at that table. I attended the Education discussion chaired by Jim Hester of Puget Sound. There were three of us, and I came away with some good ideas about integrating the Education committee with the Programs committee to present more informative dinner meetings.

The Region Coordinating Council met after Roundtables. The Region budget was discussed, including the "shortfall" experienced by Cook Inlet at the last Region Conference. We agreed to reimburse Cook Inlet out of the

Region funds. After other business was discussed, we heard more about the Sun Valley Conference coming up in September (put on by the Idaho Chapter) as well as a short film about Coeur D'Alene Resort, site for the 1989 Region Conference (hosted by the Spokane Chapter).

The meeting and conference was adjourned at Noon on Saturday. I found the conference to be very helpful; hopefully, others felt the same.

—By Inga Vrla, CSI — 

Chapter News

Planning Session/ Retreat

June 10 - 11, 1988

Board Members, Committee Leaders and members, as well as past officers are invited to help set goals and plan activities for the Portland Chapter CSI, FY 1988-89 during a planning session/retreat.

We will meet at the Rippling River Resort Friday afternoon, June 10th to start the program, have dinner together Friday evening and finally get into it on Saturday, June 11th, planning to be there all day.

The resort has reserved seven condos for our group, each will sleep five to six people. Our cost per person per room is about \$25 per night. Meals are no-host.

If you are interested in joining this very important planning session, and would like to help determine the direction of the Portland Chapter, please contact Inga Vrla at 635-6227 NOW!

(Chapter News Continued on
Page 7)

June Meeting


The China Gate

(Continued from Page 1)

The China Gate, was dedicated in November 1986. The gate marks the entrance to the Chinatown district and serves as a symbolic tie to Pacific Rim countries. Two bronze lions, emblems of protection and guardianship, flank each side of the gate, each weighing over a ton. The lions are the exact replicas of the ones guarding the National Palace Museum in Taipei, Taiwan, and are the only other set in the world.

The focal point of this area is the Chinese Consolidated Benevolent Association Hall, rich in Chinese community history. Built in 1910, it reflects the early importance of Portland's Chinatown, second largest in the entire United States after San Francisco. The building is listed on the National Register of Historic Places and was recently restored with the help of donations and a grant from the State Historic Preservation Office. The CCBA serves the community as a cultural center and houses one of the oldest Mandarin and Cantonese language schools on the West Coast.

In addition to the building renovation, special Chinese-English street signs were installed in the Chinatown area, lending a colorful flavor to the entire district. In 1984, the installation of special oriental street lights around the business blocks between NW Third and Fifth Streets and Burnside to Flanders was completed. Banners depicting the twelve Chinese Zodiac signs were hung on these street lights in 1985.

One can capture the flavor and charm of Chinatown's lively neighborhood by visiting the many restaurants serving Northern and Southern cuisines. 

Products Fair



Steve James



President Curtis Finch,
Les and Paula Seeley
(above)



Don Walton (above)
Jim Davidson (below)



Frank Barnes



Arnie Wake and Errol Davis



Products Fair



Bob Klas and Ken Peterson



Raoul Meekcoms and Al Weller



Chet Olson,
President-Elect Inga Vrla
and Doug Sobek



Jody Moore and Ray Totten

Chapter News

A Word from the Editor

It's that time of year when the newsletter editor finally gets to put in their two cents worth. (What a relief!)

This has been a really amazing year for me. Little did I know when I joined CSI (April, 1986) that I would be whisked up in a whirl-wind of CSI activities that would not only occupy most of my non-working hours, but quite a few of my working hours as well.

I started this year with zero knowledge of writing a newsletter and ended up with an Institute Award. (I've never won an award before!) This whole year has been a time of personal and professional growth for me. I'd like to thank Curtis Finch and the Board members who let me have free reign of the design and production of the newsletter and especially for agreeing to purchase the Macintosh, which has made such a tremendous difference in the design of The Predicator.

I'd like to give my most sincere thanks to Trasi Hogenhout, who without her knowledge and boundless energy, The Predicator surely would not have been the success it's been; and to Lee Kilbourn, Dennet Latham and Ray Totten who have always said "you can do it", even when the odds were overwhelming. To all the people at SRG who have put up with my quirks and thousands of "personal phone calls", and who have shared their time and knowledge of the Macintosh and writing newsletters in general, Curt Williams, Steve Poland and Kathy Walsh; Jon McGrew, Kathryn Kramer, and Dennis Destefano for their cartoons. Thanks to the people who have so faithfully submitted columns every month and who thought The Predicator

was as important as I do, Ken Searl, Perky Kilbourn and Rochelle Geving. There are so many others. The printer David Ecock at NW Printing, the people at PrintRight and Photocraft, the list goes on and on.

Suprisingly, producing even a small publication like The Predicator is a tremendous job, but extremely rewarding and so beneficial that Trasi and I have volunteered for another year. If there is any member or non-member who has photography or writing skills and would like to volunteer those skills for next year's Publication Committee, I would love to hear from you.

See you in September.

--Linda M. Bowman, CSI --
Editor, The Predicator



Industry News

Software Liability Risks - Can You Avoid Them?

Attention "Apple" polishers, "Wordstar" illiterates, computer buffs, CAD fans! In the future you may need a license to operate a computer. Far fetched you say? Well read on...

An article in the April issue of *The Specifier* is enough to make even an indifferent soul such as I sit up and take notice.

SOFTWARE LIABILITY RISKS - CAN YOU AVOID THEM? is must reading. Evidently there is some risk in purchasing software packages, especially if you assume they will do what is intended. For instance, get the latest program for roofing take-offs, plug in the numbers, and out come the answers... you win the

bid an THEN you find you are woefully short on your bid! What happened? Unless you have a feel for the project, you would never know if the program missed something vital, or you did, or whether the program was faulty. Software vendors "almost always limit their responsibility for consequential or special damages".

Lotus Development Corporation was brought to court by a contractor who alleged the Lotus Symphony Business Program was defective. The contractor lost - Lotus claimed the contractor should have made himself familiar with the manuals, etc. A costly lesson for the contractor.

What I'm really saying is that you have to understand the system and you have to know what you are doing to get the job done. A whole new field is opening up for software manufacturers (more expensive software), insurance people (errors and omissions?) and lawyers (of course). And you thought life would be simpler with a computer!

I predict that CSI will plan an exam for computer operators, which will encompass knowledge of hardware, software and programming. Those whizzes who pass will be eligible for licensing an bonding... we'll call them Alan(a) Doe, FCSI, CCS, LCS (Licensed Computer Specialist!) -- By Inga Vrla, CSI --

(Industry News Continued on Page 8)

Exam Results!

Congratulations to Kitty Myers and Paul Wilson who successfully passed the Certified Construction Specifiers exam and to Inga Vrla, who passed the Certificate exam. We're proud of all three of you!

Industry News

Concrete - Welding Reinforcing Bars

(Reprinted from April 1988 SEAOSC *From Experience Newsletter*)

On a recent project, a discussion was held with the special inspector concerning preheating of the Grade 60 chord bars for field welding. His response was that there was no need for preheating because mill certificates were available. This inspector was not aware of carbon equivalents of preheat temperatures. A discussion with the inspector's supervisor revealed that this agency was admittedly not well versed on the subject. It has been discovered that many structural engineers are also not familiar with these requirements.

Grade 40 bars (ASTM A-615), which are usually more weldable, are disappearing from the marketplace. No. 6 bars are difficult to obtain, except in large orders, and bars larger than No. 6 are not manufactured in Grade 40. Grade 60 is usually substituted on the job.

The carbon equivalent (CE) establishes the weldability of reinforcing steel and is based on the chemical composition of the steel. It is calculated based on the presence of carbon and four metals that adversely affect weldability as well as two metals that enhance it. The mill certificates may or may not show the chemistry of the steel for calculation of the CE. On the other hand, some mills include the CE on the certificate. There is no limit to the CE of Grade 60 bars. If the CE or the chemistry is not known, the CE of the shipment must be assumed to be above 0.75%, and preheating to the

maximum temperature of 500 are prescribed in AWS D1.4 for various size bars.

The preheat temperatures are measured with a crayon mark of stick placed at a specified distance from the weld that will melt at the correct temperature. It is essential that details for welded splices of bars in pockets in precast concrete elements allow for space beyond the weld for measurement of preheat temperatures.

The appearance of a weld that was not preheated per AWS D1.4 cannot be recognized. These welds are likely to be brittle with some slag pockets. The lack of preheating reportedly cannot be detected with radiographic testing. More information is needed concerning the consequences of ignoring preheating requirements.

An alternative to the preheating procedures is the use of ASTM A-706 bars which have a maximum CE of 0.55%. This steel is low alloy and is considered weldable; however, it is more expensive and not always available.

ASTM A-706 bars are identified by a "W" included with the identification marks on the bars.

Since only a small percentage of reinforcing needs to be welded, the requirements for correct welding are not well known. Connections of bars, which are welded splices, are used in tilt-up construction, are usually the most critical connections for seismic loads and should receive special attention. Input and comments are invited from members of the Structural Engineers Association of Southern California, who have expertise in welding reinforcing, to promulgate more information on this subject.

--- By **Warren H. Bower** ---
Martin & Saunders

Document Conversion: No Muss, No Fuss

If you have ever wondered how to work on a client's specification without re-keying it into your system, then disk-to-disk conversion is for you. It solves the problem of transferring information from one word processor to another.

Direct conversion is the quickest and least expensive method of converting documents because there is no need for re-keying or proof-reading.

This process can convert over 500 pages an hour. Text accuracy is 100% and format accuracy is 95%. Your specifications can be converted for less than \$.45 per page.

Whether you need to convert a client's specification or you are upgrading your own system, disk-to-disk conversion is the fastest, cleanest and least expensive method.

Some of the dedicated word processors we can convert from and to include those manufactured by the following companies: CPT, DEC, HP, IBM, Lanier, Micom, NBI, Philips, Wang and Xerox. Also, our capabilities include many of the most popular word processing software packages that operate on Apple, CP/M and MS-DOS computers.

Camson Conversions, CSI member of the Orange County Chapter in Southern California, specializes in disk-to-disk conversions. For information regarding this service contact Rick Campbell at (213) 421-3055 or FAX (714) 870-7459; 251 East Imperial Highway, Suite 480, Fullerton, California, 92635.



May Dinner Meeting

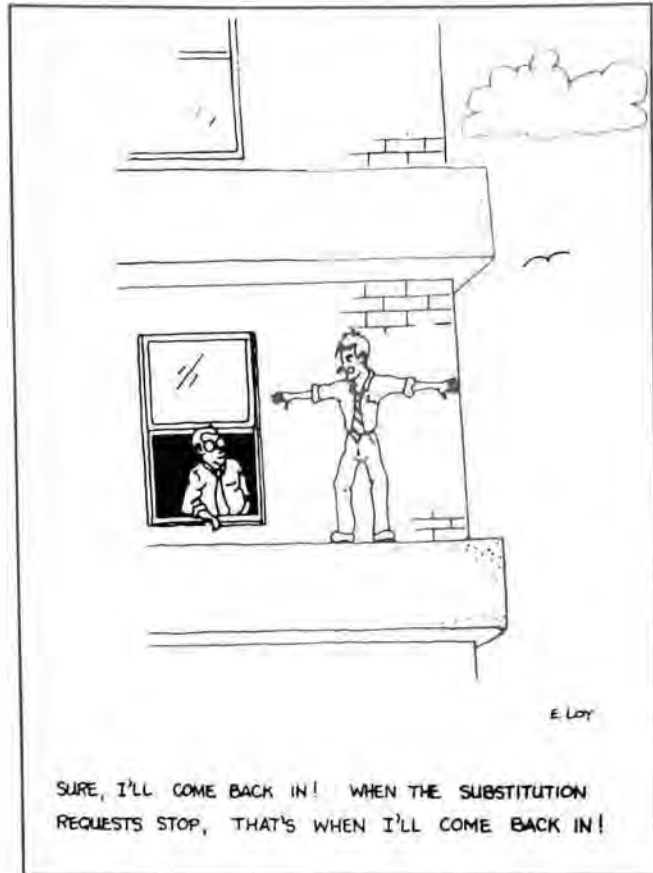
What Owners Expect from Contract Documents

Tuesday nights' meeting at the Benson was a lively panel presentation "What Owners Expect from Contract Documents."

Moderator Bob Klas began the panel presentation by introducing Karl Granlund, Construction Manager of Payless Drug Stores, NW. Granlund advised that Payless designs and constructs the buildings they occupy, but do not always own these buildings. Occasionally they lease the building from a developer. Payless is interested in good long term usage from a building.

Marv Byington, Construction Manager for the Port of Portland, reported that as a government agency, the Port of Portland has soft design for building - performance specifications, and hard design for building - specifications for construction. Their specifications must have a procedure for substitutions. They cannot pre-qualify a contractor unless the contractor has had experience with an equivalent job. He also pointed out that in order for a contractor to get a substitution approved, should the substituted product cost more than the specified one, the cost increase must be approved by the Port Commissioners.

Jerry Foy of Westwood Development Corp. says his firm looks for clear and concise drawings and specifications that allow them to be bid competitively. He prefers specifications that are not thicker than one inch, and is interested in value engineering. Jerry pointed out a very interesting



idea of having "bid times and dates" only between 5:00 pm and 6:30 pm and only on Tuesdays through Thursdays. He feels this allows the subs to submit timely sub-bids.

Jim Hirte, President of Collamette Construction, stressed that constructing a building is a team effort and all members of the team must do their share. To meet move-in-dates, the contractor must often issue purchase orders within 3 days of bid opening. One needs to identify and solve construction problems in a cooperative manner, as the problems arise. He also suggested some specifiers may require substitution requests before bidding too many products.

Les Seeley, Vice President of D.E.L. Distributing, was the final panelist. Seeley presented the audience with a box titled "The Answer to Specifications Enforcement". Upon close inspection, I discovered the box contained a mirror. Les once again stressed that "Spec writers should say what they mean and mean what they say". Contractors should not be expected to "smash to fit, patch to match and contractor make pretty." (Les really has a way with words.)

A lively discussion followed. All in all an excellent program.

--By Perky Kilbourn, Ph.D--



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1987-1988**

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 Inga Vrla 635-6227
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Region Responsibilities

Technical Documents Committee,
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Region Directors

John Greiner
 Greiner & Associates
 P.O. Box 1927
 Bellevue, WA 98009
 (206) 391-8169
 Richard Gira
 NW Lath & Plaster Trust
 4621 SW Kelly
 Portland, Oregon 97201
 (503) 224-8226

Institute and Portland Chapter dues for one year are: Institute \$110, Portland Chapter \$20, total investment \$130. Please send your check payable to Construction Specifications Institute, c/o Steve James, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

Editor, Linda Bowman
 1125 SE Madison, #200
 Portland, Oregon 97214

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