

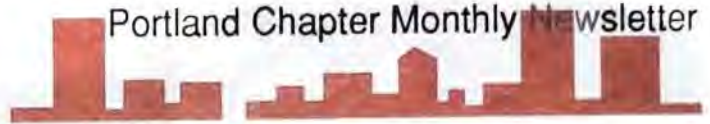


The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 1

September, 1988

NEXT MEETING

Tuesday
September 13, 1988

SPEAKER
Panel Discussion of
Focus on Casework

TIME
Social Hour, 5:30-6:30 pm
Dinner & Program, 6:30-9:00 pm

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

LOCATION
Westin-Benson Hotel
SW Broadway & Oak

PARKING
Validated parking available for \$1
under Bank of California Bldg.

RSVP
CSI Offices, 238-1462 by
10:00 am, September 9th

Focus on Casework

As an architect and specifier do you ever encounter confusion in the area of casework? Do you ever wonder about the differentiation between Sections 12300 - Manufactured Casework and 06410 - Custom Casework in your specifications, bids and the prices quoted? or, what are different finish options and their effects on prices? When should high pressure laminates, low pressure laminates or wet film coatings be used? How about specifying cabinet hardware and detailing? When should substitutes on hardware be allowed? What are their cost differences especially when considering problems down-stream and maintenance costs?

Maybe you've experienced problems or questions regarding proper installation. Many model specifications do not indicate how to provide continuous blocking for mounting casework.

Even if you haven't had problems or confusion, maybe you'd like to hear our panel of experts comment on some actual local casework specifications and on the



pro's and con's of the new 32 millimeter system. At our September meeting a panel of experts will "shine some light" on the subject. The panel moderated by Dennis Obert of BOOR/A Architects will consist of:

- David Lemons of Lemons Millwork
- Larry Kriegshauser of Kriegesco Manufacturing
- Jerry Taylor of National Builder's Hardware
- John Watson of Kaiser Permanente
- Roy Jaeger of Brockamp and Jaeger, Inc.

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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A Message from the President



President Inga Vrla: *looking forward to coming year*

Hello everybody! Allow me to introduce myself; I grew up in Chicago. Shortly after high school I went west, it took almost 20 years to find Portland and I've lived here ever since.

I became interested in the building industry while married to an architect. I became a manufacturers representative of Division 7 in 1981.

Five years ago Margie Largent, a longtime devoted CSI member introduced me to this august body and as they say "the rest is history" or her story?

My first duty for the Portland Chapter CSI Board of Directors was as interim secretary, and then a full term as secretary, followed by two years as editor of The Predicator and now President of the Portland Chapter.

I am looking forward to the coming year, especially as a learning experience for me. I hope our journey together this next year is informative and enjoyable.

While it's business as usual, I trust there will be a few new

twists. We'll continue to support the Construction Library; perhaps include more seminars in connection with the dinner meetings and definitely a lot more involvement from our membership!

We have an exciting opportunity to be of service to our community as well. The Oregon School of Design is still in its infancy and needs our support.

Mark you calendar for the 13th of September. Our first dinner meeting of the year at the Benson Hotel. Details elsewhere in The Predicator.

All work and no play does you know what. Keep in mind the CSI/AIA Golf Tournament is scheduled for September 23rd at Colwood National Golf Course, plan to attend! Call Dick Gira for details, 224-8226. The Northwest Region Conference convenes September 29th for three days in Sun Valley, Idaho. Another opportunity to get to know your peers and have a good time as well. If enough of you are interested in traveling together, we could hire a bus. Call me, 635-6227.

Regards,
-- Inga Vrla, President --



As of September 6, 1988, the Portland Chapter CSI Board of Directors Meetings will be held at the Energy Resource Center, 7895 SW Mohawk, Tualatin, Oregon. These meetings will still take place on the first Tuesday of each month.

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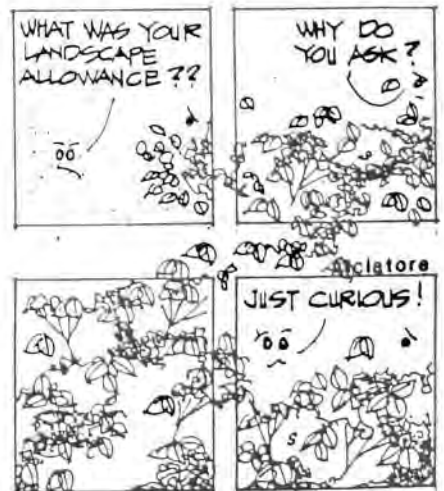
2 full page insert

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Non-Member, \$200

Call Trasi Hogenhout
for details at 620-1664

Specks



Board Report

Minutes of May 3, 1988 Board of Directors Meeting

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

Also Present: Jim Luey, Lee Kilbourn, Joe Woods and Steve James.

Absent: Brockamp and Kehrli.

The meeting was called to order at 12:10 pm.

The minutes of the April Board meeting were approved with discussion regarding change in Slate of Directors.

Treasurer, Jim Peterson: No Report.

Committee Reports:

Leadership Conference: Portland Chapter will host conference this weekend. Finch has called on committee heads, new Board of Directors and members. A "Mailer" has been sent to all members. Curtis asked for attendee count (delegates) for convention in Washington, D.C. Those planning to attend are: Kilbourn, Hutchins, Largent, Vrla, Walton, and Gira (Region Director, not a delegate).

Products Fair, Joe Woods: 128 exhibitors, approximately 800 attendees. Discussion of positive and negative relations, and the possibility of 1) a questionnaire to Exhibitors, 2) a discussion with other groups regarding future products fairs (Josi, Urben and Woods) and 3) a pre-Products Fair seminar.

Publicity, Roy Josi: No report.

Hospitality, John Kehrli: More discussion of CSI pins, Board has previously authorized

purchase.

Membership, Steve James: Still at 285 members and looking.

Education, Dennis Obert: "Selling to Design Professionals", D. Thomas seminar bears repeating next year (1988, 35 attended).

Awards, Tom Shea: Meeting following Board of Directors meeting. Names still in demand for chapter/region awards.

Nominations: Vote of membership (May 10) for revised slate, as adopted in minutes of April 5th meeting.

Liaison, Carl Urben: First workshop, "Concrete Additives" to be held May 4th at the Construction Library.

Planning, Jim Peterson: Chapter Guide being entered into IBM to be transferred to Chapters Macintosh. Starting with finance (Treasurer), then Products Fair, etc. Date of Planning Session (retreat) rescheduled for June 10 - 11, possibly at Rippling River, more details to follow.

Programs, Inga Vrla: May program was advertised by flyer passed out at Products Fair (CSI booth), Bob Klas will be directing this month's program. June program is being directed by Jim Luey. Dinner will be at Tuck Lungs Restaurant. The food is Chinese banquet (family style), eight to a table. The program "The China Gate" and "Chinatown Development" will be presented by the Portland Development Commission, the chapter awards will also be presented at this meeting. (A menu was selected by the Board of Directors), head count necessary by June 10th.

Technical Documents, Paul Wilson: Bruce Townsend, also a member of this committee, at-

tended a seminar. Certification Exams are over, results are still unknown.

Letters: One from Ehmann regarding misleading mailer from AIA about the Products Fair. Finch called AIA office. Also one from the Willamette Valley Chapter.

Old Business: Certification (Industry), no report, research not complete.

New Business: None. Time did not allow for further discussions.

Meeting adjourned at 1:15 pm.

-- Respectfully submitted,
John Brockamp, CSI --



Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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, The Channel Rest.

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, Bev's Steak House

Convention Highlights

Celebrating CSI's Forty Years of Service to the Industry

James Robertson, FCSI, CCS, Paul Edlund, FCSI, CCS and wives: Hospitality Party



32nd Annual CSI Convention, Washington, D.C., June 24-26, 1988

The Portland Chapter was well represented at the 32nd Annual CSI Convention. Those in attendance were: Lee and Perky Kilbourn, Dick and Roseanne Gira, Inga Vrla, Margie Largent, Mary Alice Hutchins, Bob and Mary Anne Klas, Don and Arleen Walton, Garland Davis and Stan Kiyokawa.

Don Walton, Stan Kiyokawa, and Garland Davis were among the 939 exhibitors at this year's product exhibition which is the largest nonresidential construction product/service exhibit in the country.

During the Opening and Awards ceremony held Friday night, June 24th, the Portland Chapter was honored with three Institute awards for their outstanding contributions to the Institute during the past year, they were: Publications Commendation for

the chapter newsletter *The Predicator*, Linda Bowman, Editor, Publication Commendation for the chapters work in updating the Northwest Region Operating Guide, Don Walton, Committee Leader and Commendation Award for the Chapter's efforts in establishing the first cooperative Construction Library located in a public library.

A favorite keynote speaker of many of the convention-goers on Sunday was veteran newsman David Brinkley of ABC News. Brinkley gave a unique summary of the complex political and economic events of the nation. Brinkley opened the floor for questions which inspired Dick Gira to ask how much influence he felt the "first ladies" have over their husbands. Brinkley responded that some have far more than others, but depended largely

on personalities. He felt probably the only president who was never influenced by his wife was Harry Truman.

(Dick says that since this presentation by David Brinkley, he has read Brinkley's autobiography "*Washington Goes to War*" which he thoroughly enjoyed and highly recommends.)

On the evening of June 26th, the Northwest delegation threw a Hospitality party for the three newly appointed Fellows of the Northwest Region; David Thomas, FCSI, James Robertson, FCSI, CCS and Art Nordling, FCSI, CCS. The Los Angeles Chapter was gracious enough to make their suite available for the occasion.

Several of the Portland members were able to catch up with Dennet and Claire Latham at the McGraw-Hill party. They used the large crowd as an excuse to slip away for some Chinese food and to reminisce about Portland.

Except for the shuttle bus service which seems to be a common complaint every year, it was the best, all-around convention yet! (Lee Kilbourn didn't ride the shuttle buses, so he thinks it was the best!)



Color Guard: President's Banquet

Convention Highlights

The Theory of Success in Selling

By Perky Kilbourn

Lee and I attended the CSI Convention June 24 - 26 in Washington, D.C. This year I attended the sessions on marketing rather than the spouses programs. I found all the marketing sessions very well done, especially the two programs given by Frank Cooper "The Nuts and Bolts of Successful Selling" and "How to Get Control of Your Time."

Cooper spoke at the Region Conference in Roserio about 10 years ago. This time I was so impressed by his speech that I purchased his book *"The Customer Signs Your Pay Check"*, which attacks some of the common misconceptions about selling.

In the second of his two programs "How to Get Control of Your Time" Cooper asked the members of the audience to define



Mary Alice Hutchins, Karen and John Griener and friend: enjoying the President's Banquet

the word "time". He responded by giving several tested and proven guidelines for successful selling and a sensible time management pattern that is easy to follow:

1) Write down your ideas as you get them, he recommends a "do-call-get" sheet to stay current. Don't trust your memory to stay current since it is difficult to

remember more than one thing at a time, 2) plan each day and concentrate your energies on "must do" items and not put them off.

Cooper suggests that you should handle a piece of paper only once with a "do-dump-delegate" routine.

Good Advice!



Puget Sound and Cook-Inlet Chapter Members



Dick and Rose Anne Gira

June Dinner Meeting

The China Gate




Curtis Finch and Inga Vrla: *presenting Chapter Awards*

M. Jim Luey was the speaker at the June 14th dinner meeting that was held at the Tuck Lung Restaurant in Portland's Chinatown. Jim gave an excellent presentation of Portland's Chinatown and shared some insightful stories of the process that he, the Chinese community and the Portland Development Commission went through to get the China Gate designed and constructed. A very interesting story and told with much humor and warmth that Jim is known for.

President Curtis Finch and President-elect Inga Vrla presented the 1987-88 Chapter awards. There were three recipients of Certificate of Appreciation, they were John Brockamp for his contributions to the chapter throughout his CSI career, but most recently his continuing work as Chairman of the Construction

Library; Steve James for his work on the Education Committee and to James Davidson for his countless contributions to the chapter throughout his CSI career, but most recently his involvement as the Region Trustee. There was a Special Award given to Debbie Fox-Shaw for her beautiful graphic designs of the Products Fair posters, two years in a row; this year's recipient of the Al Hansen Memorial Award, the chapter's highest honor, was awarded to Joe Woods for making the Products Fair a reality, two years in a row. Joe was also given a beautiful crystal bowl to commemorate the occasion. A Publications Commendation was awarded to Linda Bowman for her work as editor of the chapters newsletter, *The Predicator*; a Craftsmanship Award was given to Tom Crawford of Pioneer Waterproofing Company for his superior craftsmanship and continuing preservation work in Old Town; a Cooperation Award was gratefully given to the Portland Chapter of the National Association of Women in Construction (NAWIC) for their help registering attendees at the Products Fair; and last but not least the first Dragon Award was given to Jimmy Luey for his 20 years of significant chapter involvement (given in the Chinese year of 4686, the Year of the Dragon).

(Congratulations to all of the award recipients.)

Curtis Finch then passed the ceremonial gavel to Inga Vrla. (Off to another great year!) 

Annual AIA/CSI Golf Tournament

Friday, September 23, 1988, Colwood National Golf Course, 7313 NE Columbia Blvd., Portland, Oregon

Attention: Tournament Sponsors

The American Institute of Architects and the Construction Specifications Institute are planning their annual golf tournament and they are looking for tournament sponsors.

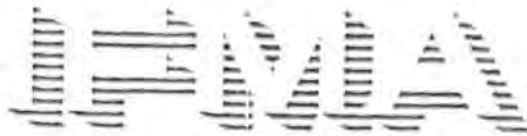
They expect a turnout of over 50 golfers from AIA and CSI and they would like your company to sponsor one of the eighteen holes. This opportunity provides good exposure for your company.

A \$25 sponsor fee covers:

- 1) A sign placed on one of the teeboxes identifying your company as a sponsor,
- 2) recognition of your company's products and services at the informal social following play, and
- 3) the purchase of a door prize in your company's name to be awarded after the tournament.

Sponsors and hole preference need to be established as soon as possible, there are only 18 holes available, so call today.

For more information, contact Dick Aanderud at Koch, Sachs, Whittaker, Aanderud Architects, 503/228-7571.



Join us for...."A DAY OF LEARNING"

- WHO:** "A DAY OF LEARNING" is a 1/2 day educational workshop focused on the needs of building/facility/property managers. Participants will represent a cross-section of managers and staff within the profession (BOMA, IFMA), and those people who service your profession (AIA, ASID, CSI and IBD).
- WHAT:** Four 1 1/2 hour workshops pertaining to subjects which affect your daily performance:
- Fred Hansen, Dir. of DEQ and Nick Nikkala, Div. Admin. for Air Quality on "Sick Building Syndrome"
 - Harry Green, Pres., Pacific Netcom on Intra-office networking needs and capabilities
 - Herman Miller, Milliken and Amp on pre-planning for your future needs in the open office environment
 - Patricia Hillis of Generic Software on generic CAD applications for IBM, MacIntosh and Atari users
- WHEN:** Thursday, September 22nd. Registration starts at 8:00 am, and the program concludes at 1:00pm following an informal luncheon with the day's speakers.
- WHERE:** The auditorium of the newly renamed World Trade Center, 121 SW Salmon, Portland.
- WHY:** To expand your working knowledge; to establish and strengthen your relationships with individuals, both within and supporting your profession; and to support the establishment of a reference library collection for your profession which is to maintained at the Main Branch of the Multnomah County Library.

Your investment for this program is \$20.00 if we receive your registration fee prior to Thursday, September 15th. Lunch is included as part of the program. Registration the day of the program will be \$25.00. Proceeds go into the library fund.

REGISTRATION

NAME _____ COMPANY _____ POSITION _____

ADDRESS _____ PHONE _____

ADDITIONAL REGISTRANTS _____

MAIL TO: IFMA Oregon Chapter, P.O.Box 1563, Portland, OR 97207
For information contact Peter Wagner at 281-8881.

Point/Counterpoint

URG! It's a Mouse

By James Peterson

I recently spent several evenings and a weekend working on my long overdue project of setting up the spreadsheets required to upgrade the chapter financial management system. Working with the chapter Macintosh computer focused my attention on several issues concerning the use and marketing of the machines. I welcome the opportunity to share these insights with those of you in the chapter who find amusement in such things or have more serious interest. There is no question in my mind that we are experiencing a change in life and work style that parallels the change from the agriculture to the industrial era. The opportunity to participate in and observe this transition will be savored by some and feared by most, the key is to be able to differentiate the marketing hyperhype from the underlying reality. The following observations result from my first hand experience and observation as well as a critical reading of the media and literature available. I have a very strong bias that will be very clearly expressed below which succinctly stated is an overwhelming preference for substance over the superficial.

Working with the rolling rodent for several hours at a stretch left my hand cramped and both my elbow and shoulder fatigued. Being a reasonable typist (typically using the keyboard 4-6 hours per day with some work sessions lasting up to 12 hours) I found the Macintosh keyboard too tight and constrained for my personal comfort. The constant need to move back and forth between the device and the keyboard was extremely inconvenient and seriously slowed my effective entry of commands and data. The next problem is the postcard size screen with its bluish tint, which makes it difficult to watch for very long.

I assume the number of characters displayed is standard, yet there appears to be additional stuff on the screen that reduces the actual working area of the display (Lotus 123 has an add-in program that allows the display of roughly three times as many characters which helps spreadsheet building tremendously) Locating the screen pointer at a particular

position on the screen to effect a specific action requires a much higher degree of visual acuity than simply typing, and I found that 25-30% of the time, although the cursor would look like it was on the mark, I would miss the exact location which then required a minuscule adjustment and another 'click'. In addition to the positioning problem, my observation is that often the location of a particular 'button' required moving across the whole screen. The actual manipulation and control of the machine via little Mickey required a relatively large free motion zone which on my desk is as scarce as rain in the midwest. The genius that conceived of the dragging method for moving items around the screen ought to be placed in the SDI free fire zone; just don't let the button up in the wrong place. Likewise, a double dose of radiation for the brilliant team that came to a consensus on the 'double click' tactic.

Inventors are hard at work coming up with split hand keystroke entry devices. One company seems to think that if one scurrying creature is good then two are better. They placed keystroke depressions on a pair of little furries.

I get a short-lived chuckle each time I get to put an unneeded file into the 'trash can'. Why not sent the offending document to a deteriorating orbit of the sun; self incriminating material could be tossed into a black hole in a distant galaxy. The whole file folder picture system does little but perpetuate a seemly archaic form of one dimensional information hierarchies.

A recent book describing the computer network technology and its implementation states that anyone who touches a keyboard can be monitored electronically. This is a simple, effective, and highly intrusive demonstration of callus disregard for the privacy of the individual. In addition, this electronic monitoring has been linked with serious stress related illness; the call to limit monitoring on medical grounds is only now being made. Combining the notion of constant keystroke-by-keystroke monitoring of performance with the atrocious ergonomic design of popular, 'worm and fizzy' machines, it doesn't take a futurist to realize that our current or near term transition to the information age is producing a sweatshop environment within which the employees will, with

good cause; their own mental health, subvert the realization of management's objective in network installation. Last week the Wall Street Journal reported that Southern California Edison, Co. spent \$300,000 and employed two highly qualified expert system designer/programmers from Texas Instruments for two years to produce an expert system that produced only trivial inferences and recommendations, and would require an estimated additional \$100,000 investment to generalize beyond the single problem they originally intended to solve. In theory, given the same evidence, a well programmed expert system should reach the same conclusion as the expert it was designed to mimic. But in practice, subdividing human judgement into logical chunks that a computer can digest is extremely difficult. "Human reasoning is often instinctual and hard to explain. Then, too, experts often have a 'sixth sense' that defies language and can't be programmed."

Bill Atkinson developer of Hypercard describes his system as combining the flexibility of wordprocessing and the power of sophisticated programs. Data and interaction; somewhere between user inspired documents on the one hand and programmer conspired application programs on the other lies the Hypercard stack which is "...just what's needed in order to give a lot more people-a lot more people-the ability to control their Mac." Interesting, the trends in implementing local area networks and the underlying justification for their installation is diametrically opposed to the possibility that individuals will control "their" machine or the information they produce. On the contrary, the intention is clearly to eliminate initiative and creativity on the job while exerting maximum control over the employee (a fundamental tenet of the industrial era). Continuing Bill says: "It's going to take us all awhile to experiment around with new interfaces for dealing with gobs of information and the freedom that goes with it, and figuring out a new Strunk and White (the writer's guide to style)." GOBS? MEGAGOBS? GIGAGOBS? This presents both an opportunity for authors of Hypercard 'stacks' to explore

-- Continued on Page 8 --

BS by KS

Basic Specs by Ken Searl

Recently I received an offer in the mail to purchase a new publication entitled... "Contractor's Guide to Change Orders." Among the many items listed are phrases such as "how to detect, negotiate and win top payment for all obvious and hidden change orders" plus the wording, "everything you need to turn hidden change orders into profit opportunities." Included is a list of other money rattling importance such as... "How to dig into the contract, plans, specifications and the site to uncover all potential change orders and interferences in time to minimize job impact."

What do we have here? It appears to me this information is suggesting to the contractor to make a gung ho effort to bombard the owner and architect with all sorts of claims from the major to the minor and the ridiculous. If this is followed vigorously, it would appear we are all in for a lot of fun and games and strife. We have enough of this already. For years we have been working hard to make drawings and specifications more clear, more accurate and easier to read. It is noted that with the advent of CADD dimensions now become more accurate, plus other benefits.

It makes no difference how the drawings and specifications are produced, from scratch, Ken's method, a master, cut and paste or computerized cut and paste, much improvement has and is being made. Yet along comes a publication telling contractors, or at least

suggesting to them, there is a lot of loot out there to be had by concentrating on either obvious or hidden change order items. In my opinion, this is an injustice to our present system of design and construction.

If the suggestions in this guide are followed there will be lots of adversarial conditions. That is not going to help either side of the industry. I asked a contractor if he had received this offer and he said yes, but after looking it over he threw it in the round file because he felt that if he followed their suggestions it would make the situation worse than it is now and he didn't need that.

All of the above points out one thing very strongly and that is weak drawings and specifications are liable to be in for a rough ride if contractors follow the trail to hidden change orders. For those of you that prepare construction documents, take heed. I do hope the publisher will publish, and soon, a guide to owners and architects on how to combat hungry Contractors using the guide to find all those hidden change orders.

PS to BS By KS:

In my last BS column I discussed substitutions. Since then I received a copy of the Sun Coast magazine which had an article covering construction lawsuits and the statement was made that 50 percent of the lawsuits in their study involved substitutions.

Incidentally the Sun Coast magazine has greatly improved their publication in recent months. It is simply getting better and better. If you don't receive this magazine, you should. Publisher James McKeller and staff are doing a great job.

NW Region News

CSI Northwest Region Conference

"Old Frontiers New Horizons"

This years NW Region Conference will be held September 29, 30 and October 1 in Sun Valley, Idaho. There is a discount for early registration, so if you plan to attend, make sure you make register soon.

By now all chapter members should have received the flyer sent out by the Boise Chapter that lists guest speakers, programs and a hotel reservation form.

There are so many things to do in Sun Valley, no matter what your interest might be, you and your family won't want to miss this conference!

See you there,



Point/Counterpoint

-- Continued from Page 7 --

and produce unique and high quality products and a curse for users who will be required to sift through a lot of half-witted attempts to fill 500 megabyte ROM laser disks. As described in the discussion of expert systems the difficulty in developing even small trivial expert system is enormous for people who should know how to do it.

Marketing snake oil abounds in the computer bazaar. The value of information lies in the way that it is organized. Do you suppose that somewhere out there software exists that helps you think clearly and organize effectively, rather than software that just helps you do the same old things faster? Candidly, I hope my competition invests heavily in the Macintosh and its Hypercard program and encourages its people to develop their own individual expert systems.



In Memory of Albert L. Williams, CSI



Albert L. Williams,
1929-1988

This is in memory of Al Williams who passed away June 17, 1988 less than one month before his 59th birthday. Al was born in San Francisco on July 12, 1929. He received his formal education in the Bay area prior to accepting employment with Fuller Paint Co. in San Francisco. He spent two years away from Fuller during the Korean conflict, courtesy of Uncle Sam, serving most of that time in Japan.

Al worked for Fuller 31 years, working his way up to head of their sales department. He was transferred to Federal Way, Washington by Fuller around 1974. Then in 1982 when Fuller was bought-out by O'Brien Paint Co., Al lost his job due to the shakeup that followed. He then moved to Vancouver, Washington and joined Miller Paint Co. as their Industrial Representative, working out of their Portland office. He

joined Portland Chapter CSI in May 1982.

Al was an outgoing person which made him perfect for his chosen field, selling. He always greeted people with "Hello! Hello!". He always said hello twice. I'll miss that. It was his cheery way, he was so full of life. He enjoyed living. It was infectious. If it wasn't for Al, Barbara and I would not have seen the Worlds Fair in Vancouver, B.C. in 1986, or gone on a Caribbean cruise that same year, visiting Mexico, Jamaica, Grand Cayman Islands, and Cozumel.

Al came to me in a dream one night last December and told me he was going away and would not be returning. My mother use to have premonition dreams like that, but this was the first for me. The following night Al called me from his hospital bed and told me he had terminal cancer. The doctors gave him two to six months to live. He lasted the full six months, almost to the day, mostly on sheer determination and a lot of help from his doctors.

Al never gave up hope. He was so optimistic that he was planning a trip to Arizona in October of this year and another to Hawaii next May, only two weeks before he died.

Al will be greatly missed by his many, many friends and especially by his family. He is survived by his wife Joyce, son Mike, daughter Lisa and six grandchildren. We will all miss him. Good-bye Al, the best to you wherever you may be.

—Andy Olson—

Editorial Staff

Linda Bowman, Editor
222-1917

Trasi Hogenhout, Advertising
620-1664

Joe Woods, Reporter
232-4000

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of the Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o SRG Partnership, P.C.,
520 SW Yamhill, Suite 231,
Portland, Oregon, 97204;
503/222-1917.

Other CSI business should be directed to:

Portland Chapter CSI,
1125 SE Madison, Room 200,
Portland, Oregon, 97214,
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Past-President, Curtis Finch	636-9270
Secretary, Jim Hirte	244-0843
Treasurer, Jim Peterson	284-3214
Executive Director, Margie Largent	620-6573

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Mary Alice Hutchins, Prof. '89	223-2920
John Kehrli, Ind. '89	644-7102
Steve Miller, Ind. '90	225-1273
Arden Newbrook, Prof. '90	226-6236
Paul Wilson, Prof. '89	636-9768

Committee Leaders

Awards, Tom Clucas	234-0281
By-Laws, Paul Wilson	639-9768
Certification, Ray Totten	222-1917
Editor, Linda Bowman	222-1917
Education, Dennis Obert	226-1575
Finance, Betty Bellwood	231-5000
Hospitality, Andy Cleveland	620-1014
Liaison, Dick Burgess	226-2921
Library, Candace Robertson	222-3753
Long Range Planning, Don Eggleston	228-6444
Membership, Lee Kilbourn	224-3860
Nominations, Curtis Finch	636-9270
Products Fair, Arnie Wake	252-1812
Programs, Steve James	288-5195
Publicity, Roy Josi	226-8462
Technical Documents, Bruce Townsend	228-6444

Region Responsibilities

Region Trustee, Jim Davidson	226-3508
Region Publications, Ken Searl	223-1181

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Richard Gira NW Lath & Plaster Trust 4621 SW Kelly Portland, Oregon 97201 (503) 224-8226	James M. Robertson, FCSI, CCS Robertson/Sherwood/Architects 96 East Broadway, Suite 6 Eugene, Oregon 97401 (503) 342-8077
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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 Lee F. Kilbourn, FCSI, 1125 SE Madison, Suite 200, Portland, Oregon, 97214.

The Predicator

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology



Vol. 28 No. 2

October, 1988

Joint Sealers

An understandable area of concern of Architects and Specifiers for which there are a number of unaddressed questions is joint sealers. Specifically the elastomeric joint sealers for wood, concrete, metal and masonry. Leaks in these applications can be troublesome and costly after-the-fact.

Prior to this month's dinner meeting there will be a two-hour Joint Sealer seminar from 3:30-5:30 pm.

The seminar will consist of a panel moderated by Bruce Townsend of SERA Architects and will present the viewpoint of the manufacturer, installer, owner, and general contractor.

Issues that will be addressed at the seminar and dinner meeting will be:

- The recently distributed SEAL Sealant Engineering and Associated Lines Association (Guide Specifications recently distributed to Specifiers - have you adjusted your specifications accordingly?

- On what basis can you judge whether sealers are adequate or



acceptable (especially since there are 20 manufacturers)?

- How do you design an elastomeric joint?
- How do you select a high quality foam tape sealer?
- What colors are available?
- What are the problems with the new high performance sealers?
- What is the proper technique of sealer application including limits of adhesion and cohesion?

The speaker at the dinner meeting will be Mark Walker, general manager of the Portland office of John Latta and Associ-

ates, the largest distributors of foam tape sealants in the United States. Mark has been in the construction industry for 9 years and is actively involved in the Governmental Affairs Committee. Mark said copies of the SEAL Guide Specifications are available at no charge to Sealant Specifiers. He has some on hand. If don't recall receiving yours, you can call him at 238-1253.

The cost for both the seminar and the dinner meeting will be \$25. You may attend one or the other *or preferably both*.

Please make a note that the telephone number and the mailing address for the Portland Chapter CSI have changed. As of September 6, 1988 the **new mailing address** is: **215 SW First Avenue, Portland, Oregon 97204**, and the **new telephone number** is: **(503) 223-8231**. For **Dinner** reservations please call **Betty Bellwood** at **(503) 231-5000, extension 755**.

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Next Meeting, Page 2
- Member Profiles, Page 5
- 1988-89 Program Schedule, Page 6

A Message from the President



President Inga Vrla: *design fatigue?*

.....

Just Wondering...

The eighties has produced an architectural style that has rapidly become a cliché.

I don't know who gave birth to the marvelous idea of the glass and steel tinker toy entrances and medieval ramparts that are proliferating on every new and old shopping center! Sometimes I expect Zorro to drop down from behind the "new" false fronts with cape flying and sword flashing. For instance, the "face lift" at Beaverton Mall is a case-in-point. Just the ubiquitous two-story glass roofed box... doesn't even keep the rain out. Reminds me of the minor design changes you see in new model year cars- dress them up a bit - whoopie, people will buy anything!

What are we going to do for an encore after we've used up all the cupolas and high-tech glass entrances? Perhaps we could create a community environment, i.e., gardens with waterfalls (a la California), birds and flowers in abundance, temperatures con-

trolled to create the ambience to entice the shoppers to (heaven forbid) shop till they drop? Could we utilize a music man to modivate the consumer to buy, buy, buy?

It appears the idea of "doing the mall" as a night out is waning. What with Home Shopper and other programs of this type on TV, we couch potatoes will need some greater enticement besides coupons, surprise discounts, and amazing architecture to rouse us from our television enduced stupor, put on our Mall Walkers, (by Nike) and head out to the local shopping center.

Next meeting October 11th, see you there.

- Inga Vrla, President --



THE CERTIFICATE PROGRAM

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Demonstrate your knowledge and understanding of construction documentation and organization as prescribed by CSI. The Certificate Program examination is offered to all individuals in the construction and allied industries.

- Deadline for applications: January 15, 1989
- For program information call (703) 684-03000, or write CSI, 601 Madison Street, Alexandria, Virginia 22314

NEXT MEETING

Tuesday
October 11, 1988

SEMINAR

Panel Discussion of
Joint Sealers,
moderated by Bruce Townsend

TIME
3:30 - 5:30 pm

COST
\$10/person
(this cost is for *Seminar* only)

LOCATION
Westin-Benson Hotel
(Room to be announced)

DINNER MEETING

SPEAKER
Mark Walker of
John Latta & Associates

TIME
Social Hour 5:30-6:30 pm
Dinner & Program, 6:30-9 pm

COST
\$15/person (this cost is
for *Dinner Meeting* only)

LOCATION
Westin-Benson Hotel
SW Broadway & Stark

PARKING
Validated parking \$1 under
Bank of California Bldg.

RSVP
Betty Bellwood at 231-5000,
ext. 755 by 10 am, October 7th

Board Report

Minutes of June 7, 1988 Board of Directors Meeting

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

Absent: Hutchins and Urben.

The meeting was called to order by President Curtis Finch at noon. The minutes of the May meeting were corrected and approved.

Jim Peterson reports the Portland Chapter assets at \$10,000. The Board ratified President Finch's suggested \$50 fund to honor those who receive their Fellowships in D.C. this month.

Committee Reports:

Curtis Finch: Discussed need for a planning meeting. August 5th and 6th were left open for planning the 88-89 fiscal year.

Products Fair, Roy Josi: Roy, Joe Woods and Carl Urben have met with Products Fair exhibitors to evaluate 1988 fair results. When the survey results are accumulated Roy will meet with the Board to assist with planning the 1989 Products Fair.

Hospitality, John Kehrli: Lapel pins now in and being distributed. Name badge supplier is disappointed with the quality of

the new badges and will provide the Chapter with corrected badges for no additional cost.

Membership: Presently 280 members. Steve James is contacting prospects that expressed an interest in CSI at the Asbestos seminar and the Products Fair.

Education, Dennis Obert: Planning a workshop for the Construction Library series. Date is October 5th, 3 - 5 pm.


Awards, Tom Shea: Awards for the Portland Chapter members on schedule for June 1988 meeting. There have been no nominations for the region awards.

Technical Documents, Paul Wilson: The TDC did not meet this month.

Old News: Kitty Myers and Paul Wilson successfully passed the CCS exam. Inga Vrla passed the Certificate exam. Office and meeting space options proposed to the Board are many and the incoming Board will consider them. It was decided space for Board meetings could be in a location other than present office.

New Business: The Board will meet at 4 pm, June 14, 1988 at Tuck Lung Restaurant to begin planning of 1989 Products Fair.

Meeting adjourned 1:15 pm.

— Respectfully submitted,
John Brockamp, CSI — 

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Deadline for Applications:
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Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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, The Channel Rest.

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, BJ's Restaurant

SPECKS



ALCIATORE



September Dinner Meeting

Focus on Casework



Jon Nichols, Fran Hoesley, Randy Jahn and Mike Bowles: *new members*



The chapter meeting on Casework was moderated by Dennis Obert, CCS, CSI, specifications writer for BOOR/A Architects, who challenged the speakers with questions he felt needed to be answered and problems which he has observed.

He opened the discussion by showing the reference materials which a specification writer may have on hand prior to writing a Casework section. This was followed by a description of the activities and time required to write the Casework section for a typical project. Dennis then asked for a clarification of some of the more confusing terminology involved with casework. He finally declared a need for better communication among the interested parties and challenged the casework manufacturers to become more active in working on

communications problems.

John Watson, construction manager for Kaiser Permanente, speaking as an Owner's Representative then voiced his concern for good communication between the building user and the design professional. One example which John expanded on was the policy of having the user group review the casework shop drawings because many times the user group needs change between the Design and Construction Phases. There is often a difference between asking for a 4 inch deep drawer and getting a drawer in which a 4 inch high object will fit. John is often concerned with the load carrying capacity of drawer slides in the extended position and the amount of security provided by casework locks.

John mentioned that location

and type of blocking should be coordinated with the Contractor, subcontractor and the Architect. John feels that Kaiser controls quality by having a selected list of casework bidders.

Craig Jaeger, a Project Manager/Estimator for Brockamp & Jaeger opened by asking that Architects write separate specs for manufactured casework and architectural woodwork. He felt that combining casework and trim in the same Specification section may lead to confusion during bidding which may result in inaccurate bids. He used the example of getting prices for wood base at the base of a cabinet from both the casework manufacturer and the wood trim supplier.

The next speaker, David Lemons, General Manager of Lemons Millwork, a manufacturer of HPL casework, expressed the desirability of HPL casework and explained the various options for color matching edge trim. He also pointed out economic advantages of being a large production

-- *Continued on Page 7* --



James M. Robertson, FCSI, CCS

OREGON EMERY



AGGREGATES

NATURAL HARD NON-SLIP AGGREGATE FOR HEAVY-DUTY TRAFFIC AREA SURFACES

DESCRIPTION

Oregon Emery Aggregate (16-30 and 8-16) is a natural mineral corundum - magnetite (aluminum oxide - ferric oxide) non-skid and surface hardening agent for application to concrete or epoxy (interior or exterior) heavy-duty, industrial traffic areas.

PHYSICAL AND CHEMICAL PROPERTIES

Oregon Emery consists of variable mixtures of several minerals. It generally contains corundum and magnetite, along with such minerals as hercynite, cordierite, sillimanite, mullite, magnesia, and silica; with the highest hardness and toughness relating to a high corundum content and very fine interlocking grain structure.

The aluminum oxide content of Oregon Emery ranges upward to 65%, with the resulting hardness of 8-9 on the Mohs Scale 1-10. Other measured properties include, specific gravity 3.2 to 3.7; sodium sulfite soundness 0.27%; and, water absorption 0.3 to 0.6%. Los Angeles abrasion test 6.00% loss. Additional data available.

Oregon Emery is also inert to most acids and bases, solvents, petroleum products, salts, and chlorides. It contains **no free silica**, therefore, it is of the highest quality and poses no health hazard from exposure. It has been found to be compatible with all types of epoxies, urethanes, polyethylenes, sulfur cements, Portland Cement, and asphalts. Natural color gray to black.

USES

Ideally suited for dry shake application and embedment in fresh concrete; also, for dry shake application or mixing with epoxy binders applied over hardened surfaces, wherever hard non-skid features are required for pedestrian or vehicle traffic.

Typical uses include concrete industrial floors, docks, ramps, stairs, walkways, parking ramps and shopping malls, meat and food processing facilities, dairies and horse barns, airports, hospitals, schools and public buildings, etc.

ADVANTAGES

1. Easy to apply - indoor or outdoor.
2. Rustproof, non-glazing and non-corrosive, inert to most acids, solvents, petroleum products, salts, and chlorides. **No free silica.**
3. Positive bonding with concrete, asphalts and epoxy binders extending surface wear life.
4. Far less expensive than higher cost, energy intensive synthetic mineral aggregates.
5. Manufactured in Oregon - lower freight costs for Western States.

APPLICATION - CONCRETE

For use in **HEAVY** traffic areas, soak aggregate in clean water for 5 minutes, and allow to drain to a damp condition. After the first steel trowel pass is completed, and the surface water disappears, uniformly sprinkle the aggregate (8-16) over the surface in one application, and embed with float. An average of thirty-five pounds per 100 sq. ft. is recommended.

After finish troweling and cure, additional non-skid effect may be obtained by etching the new surface with diluted muriatic acid and flushing with clean water.

For use in **HEAVY-DUTY** traffic areas, prepare a dry mixture of 3 parts (14-36) aggregate and 1 part portland cement (by weight) and mix until uniform. An average of seventy-five pounds of aggregate per 100 sq. ft. is recommended. After the concrete surface has been floated and the surface water has disappeared, uniformly sprinkle aggregate cement mixture over the surface and (**WITHOUT OVER-FLOATING**) wood or power float to embed aggregates. Best results may be obtained by broadcasting one-half of the dry-shake in each of two applications, using the same procedure for each. Steel trowel to desired finish, and proceed with the conventional curing methods.

PACKAGING

Oregon Emery Aggregates - All Mesh Sizes

- 50 lb. bags
- 100 lb. bags
- 2,000 lb. bulk containers

For Prices: FOB Halsey, Oregon 97348

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but the accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information, experience and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace or, at our election, refund the purchase price of any product proved defective. Any statements or recommendations other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

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THE PORTLAND CHAPTER CSI

presents



***Pre-Dinner Seminar and Dinner Meeting
October 11, 1988***

"JOINT SEALERS"

The Seminar will be a panel discussion moderated by Bruce Townsend of SERA Architects. The panel will present the viewpoint of the manufacturer, installer, owner, and general contractors.

Seminar: 3:30 - 5:30 pm

Cost: \$10/person

Westin-Benson Hotel (SW Broadway & Stark)

The Dinner Meeting Speaker will be Mark Walker, general manager of the Portland office of John Latta and Associates, the largest distributors of foam tape sealants in the United States.

Dinner Meeting: 5:30 - 9:00 pm

Cost: \$15/person

Westin-Benson Hotel (SW Broadway & Stark)

The cost for both the seminar and the dinner meeting will be \$25. You may attend one or the other or hopefully both. Please RSVP no later than October 7th by calling Betty Bellwood at 231-5000, extension 755.

Member Profiles



Harvey S. Daley: *Emeritus*



Harvey Daley, CSI Emeritus joined CSI in 1962 as an Associate member. He was appointed Membership Chairman in 1964, and became Treasurer in 1965, re-elected to the same post in 1966.

Harvey's education includes an

Architectural degree from the University of Minnesota. The depression years found him working as a laborer for a local concrete contractor, then moving to Kansas City in 1933 where he worked as a warehouseman with U.S. Gypsum. The company eventually created an architectural service department and he was made the U.S. and Alaska representative. During this time he married Anna Katherine Eckstrom and together they became parents of two daughters Ann and Linda.

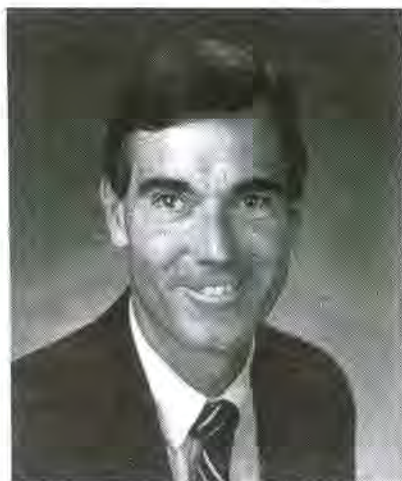
In 1948 Harvey joined the Mason Supply team beginning as an estimator, then purchasing agent and in 1963 became their general manager. In 1952 he was elected president of the Builder's Exchange Cooperative. He was presented with an honorary life membership, the eleventh person

to receive such an honor.

In 1968 Harvey's expertise in the building industry landed him a job with W.H. Cress Company, building material specialists, as their chief estimator and sales representative. During this time he was also active in the Oregon Building Congress and a member of Producers Council, a national organization of manufacturers that promoted quality products.

He retired from W.H. Cress Company in 1982 in pursuit of his favorite pastime, Golf. He continued his civic involvement by acting as the President of the King City Civic Association.

CSI extends its heartfelt thanks and gratitude to Harvey for his many contributions to the Institute and to the Building Industry.



Andrew W. Cleveland: *Owens-Corning Fiberglas*



Andy grew up in Bend. He received a Bachelor degree in Business Administration from Oregon State University in Corvallis.

He played minor league base-

ball as a catcher for the Philadelphia organization. During the four years he played with the Phillie Phanats he lived in South Carolina, Florida, Virginia and Oregon. He gave up his dream of major league stardom to complete his Masters degree in Marketing from the University of Oregon.

Soon after graduating Andy met and married Judi. He joined Owens-Corning Fiberglas where he presently works as a Senior Roofing Salesman who specializes in Commerical Roofing. During his tenure with Owens-Corning he and his family have spent two years in Philadelphia, eight years in Sacramento, three years in Los Angeles and the last eight years in Portland.

Andy and Judi have two children. Son Casey is 14, a freshman at Lake Oswego High School and

plays many sports. He seems to be a natural athlete like his father. Daughter Whitney is 9 years old and also plays sports and the piano.

The family loves to ski, hunt and fish. They often spend their weekends at Cultus Lake in central Oregon near Mt. Bachelor. When the family was located in Sacramento, Andy taught snow skiing at Squaw Valley.

Andy enjoys helping architects and spec writers with the technical aspects of selecting the right roofing system for each job.

He says since his appointment this year as the Hospitality Committee Leader, he has become very busy with CSI. He enjoys meeting spec writers during off-hours, and feels CSI offers a valuable network.



BS by KS

Basic Specs by Ken Searl

This month I am going to discuss freeways and driving habits. As some of you may know I do a lot of driving getting to work, and some for fun and games and some to get to CSI functions.

One item that seems to come up for a lot of argument is who wears out our public roads. One study shows that trucks cause 70 percent or more of the damage to our roads, the weather causing 10 percent, and automobiles the other 20 percent. The trucking industry usually denies these figures and for many years it wasn't apparent to me who or what was causing the damage to our roads.

Recently, while driving north of Rice Hill, Oregon, (and there are many other locations) I began to notice a section of north-bound freeway that caused my small narrow car to wander for no apparent reason. One late afternoon while I was returning home from Medford, the sun was just right and I could very plainly see truck-tire grooves in the asphaltic pavement. In my opinion there is no doubt who is causing most of the deterioration of our roadways.

What can we do about this situation? Do we charge trucks more fees to compensate for road damage which in turn will force them to pass these fees on to the consumer who will end up paying one way or the other.

Now to driving habits and safe driving. I've listed three of the many bad habits I notice while out on our freeways:

1. Many drivers do not know

how to enter a freeway properly. Many of them have never heard of getting your speed up and then blending in with the on-coming traffic. Many enter properly and then continue to speed up very fast leaving someone in the next lane (the same guy who moved over to let them in) out there on a limb because he can't get back to the right lane and a dozen drivers are on his tail to go around. (Does Murphy's Law apply here?)

2. I see a lot of drivers who feel the inside lane is for their use only and will pass cars in the other lanes so slowly that it takes 3 miles or more to get around them. This can be dangerous. One morning I was on my way to work and a slow driver wouldn't pull over or speed up for several miles. The driver behind him evidently got mad and rammed the guy almost knocking him off the road. Believe me this got action and the slow driver pulled over and we all got by.

3. One of the most dangerous drivers out there is the one who has pulled off to the side of the road and when reentering doesn't get up any speed, puts on his turn signal and slowly moves into the first lane. This type of driver scares me and when I see a car parked along the edge of the road with someone in it I get about as nervous as a long-tailed cat in a room full of rocking chairs.

There is much more I could tell you about life in the fast lane, but that's all for now folks.

PS to BS by KS: No, all this doesn't have any direct bearing on CSI activities, but as you know, they told me I could write about anything I so desired. Ha!

Chapter News

Program Committee Announces 1988-89 Prospective Schedule

September: *Focus on Casework*, a panel discussion (Dennis Obert)

October: *Joint Sealants* by Mark Miller of John Latta Assoc. Pre-Dinner Seminar.

November: *Fire Retardant Treatment for Wood Products*, by Koppers (Ed Fatz, Moderator)

December: *Party*, program to be announced (John Barker)

January: *Above-Grade Waterproofing* (Gene Andrews)

February: *Below-Grade and Between-Slab Waterproofing* (Steve James)

March: *Fireproofing and Firestopping* (Tom Shea)

April: *Exterior Insulation Systems* (Richard Gira)

Products Fair Seminars:

- *Working with Design Professionals* by David Thomas
- *Specification Enforcement* by Don Walton
- *What the Design Professional Needs* by Dennis Obert
- *Development of a Manufacturer's Manual and Guide Specifications* by Jody Moore

May: *Window Systems*, John Watson and Bob Thompson (proposed only.)

June: *Awards*, program to be announced.

September Dinner Meeting

-- Focus on Casework,
Continued from Page 4 --

casework manufacturer. David explained that his firm does not provide architectural woodwork with transparent finishes. He also mentioned that his standard cabinet design does not meet the AWI requirements for Flush Overlay or Reveal Overlay Casework. "The Lemons Casework is somewhere between Flush and Reveal Overlay", he said. David described the Woodwork Institute of California Certification Program, including the advantages and disadvantages of having a separate Certifying authority.



Larry Kriegshauser: filling in for wife Donna who is a new member

Larry Kriegshauser, of Kriegsko Manufacturing, presented a sample of the European 32mm casework fabrication system and described its advantages for his firm. He pointed out the system allows for easy modifications if the user wants to change a cabinet door and adjustable shelf to drawers.

Larry also mentioned that his firm is using a computer to produce shop drawings and cut lists, he feels this is proving to be very beneficial, especially when the



Linda Hewitson: new member

user wants to make a modification to a cabinet which is fabricated.

Jerry Taylor, a Sales Representative for National Builder's Hardware, expressed an interest in a future seminar at his business to talk about casework, the Architectural Woodwork Institute, and casework hardware. Jerry said that most Architect's specify casework hardware using a Stanley catalog that came to the United States on the Mayflower. He suggested that Architect's make an attempt to get up to date casework hardware information because many hardware items are no longer made. Jerry pointed out that the European concealed hinge comes in varying degrees of quality and the design professional should be careful and only use high quality hinges.

Clinton Andavall, a Sales Manager for Selply, a subsidiary of Medford Corporation, pointed to a sample of Low Pressure Laminate and then described the advantages of using this product.

The speakers mentioned several areas where local specifications may be improved with further research and better communications between the Manufacturer/Supplier and the Design Professional.

Editorial Staff

Linda Bowman, Editor
222-1917

Trasi Hogenhout, Advertising
620-1664

Joe Woods, Reporter
232-4000

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of the Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o SRG Partnership, PC,
520 SW Yamhill, Suite 231,
Portland, Oregon, 97204;
503/222-1917.

Other CSI business should be directed to:

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Portland, Oregon, 97204,
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Institute Responsibilities

Technical Documents Committee Bob Klas	644-4222
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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 3

November, 1988

NEXT MEETING

Tuesday
November 8, 1988

SPEAKERS

R. Keith Black, Koppers Co.
and John Culp, WWPI

TIME

Social Hour 5:30-6:30 pm
Dinner & Program, 6:30-9 pm

COST

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

LOCATION

Westin-Benson Hotel
SW Broadway & Stark
(Validated parking available
under Bank of California)

RSVP

Betty Bellwood at 231-5000,
ext. 755, by 10 am, 11/4/88
(when reserving for others,
please give all names)

Fire Retardant Treated Wood and Wood Preservatives



R. Keith Black, Koppers Company



As Specifiers you may have questions about where you should be specifying treated wood. In addition, what type of chemicals should you specify for which type of application? How about the controversy surrounding the American Plywood Association publication regarding heat degradation and possible delamination

of treated plywood. You may need more information concerning this possible safety issue, including knowing the reasons for failure, remedies, and what is being done by the industry in response to this issue. Also, why is pressure treating of wood done, how is it accomplished, and how do you, the specifier, achieve quality control so that what you specify is what you get? How about the environmental issues surrounding the treating of wood?

-- Continued on Page 3 --



John Culp, Western Wood
Preservers Institute

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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- Industry News, Page 7

Board Report

Minutes of September 6, 1988 Board of Directors Meeting

Present: Inga Vrla, Tom Shea, Curtis Finch, Jim Peterson, Margie Largent, Dick Burgess, Mary Alice Hutchins, John Kehrli, Arden Newbrook and Steve Miller.

Others Present: Tom Clucas, Ray Totten, Linda Bowman, Dennis Obert, Andy Cleveland, Steve James, Roy Josi and Linda Hewitson.

Absent: Jim Hirte and Paul Wilson.

The meeting was called to order at 12:10 pm. Due to absence of the Secretary, no minutes of the June Meeting were presented.

Treasurer, Jim Peterson: The 1989 budget was presented as prepared by the Finance Committee, Betty Bellwood, Chairperson. Discussion followed.

President Inga Vrla suggested that the Chapter's basic operating costs should be covered by member dues and fees received from seminars, etc. The Products Fair receipts should be used to further the advancement in construction technology through such things as the Construction Library, member attendance at region and institute conferences and scholarships.

Appropriate signature cards to be secured by Jim Peterson, including checking and CDIC account. Linda Hewitson has been appointed by President Vrla to assist Jim Peterson. The appointment was approved.

Committee Reports:

Products Fair: Expenses were discussed. Chairman Arnie Wake

has reviewed the Hilton Hotel as a possible location for the '89 Fair. Curtis Finch will follow up and report to the Board of Directors.

Audit: The Board of Directors approved setting up this committee. Betty Bellwood will chair the committee.

Programs, Steve James: Committee will meet September 7, 1988 at BOOR/A's offices. A tentative schedule of 10 to 12 technical programs with four seminars are planned. The seminars are being coordinated with the Education Committee. Discussion was held about extending the programs into the summer months. Tom Shea suggested that extending them into September or October, 1989 would be equally effective. The Board felt this would be a good idea.

Dinner reservations and sign-in will be handled by Betty Bellwood (231-5000, ext. 755). It was suggested that the name tag board be placed ahead of the sign-in location to assist the registration process.

Awards, Tom Clucas: No report. General discussion lead to the suggestion that an article be placed in The Predicator to notify members that nominations should be made very early for Institute awards, due to the documentation required to be submitted with the nominations.

Education: Report included with Programs.

Publicity, Roy Josi: No report. General discussion including the effective use of "calling" committees for stimulating members to become involved in Chapter activities. The concensus was that they were a good tool.

Hospitality, Andy Cleveland: The Westin-Benson will continue

to host our Chapter meetings this year. Discrepancies in the requirements for the badge case being built by Curtis Finch will be worked out between Finch and Cleveland.

CSI pins will be purchased for presentation to new members. The Institute has available a new video-tape presentation to show at Chapter meetings.

Certification, Ray Totten: No report. Appropriate notices will be made in The Predicator.

Technical Documents: No report. No Chairperson has been found. Anyone interested should contact President Inga Vrla or Executive Director Margie Largent.

Liaison, Dick Burgess: No report.

Editor, Linda Bowman: The Board of Directors approved the new masthead for The Predicator as presented. Linda complimented Roy Josi and Dennis Obert on the excellent "program" column they provided.

Executive Director, Margie Largent: All programs and membership meetings from the first organizational meeting of January 29, 1959 have been recorded on the Chapter's computer for the Archives. This data includes the attendance at each meeting.

A Chapter Operations Calendar is being organized, but is not yet complete.

Old Business: None.

New Business: Margie Largent suggested having the CSI telephone answered by the AIA office. Largent and Paul Wilson have met with the Portland Chapter AIA Jody Proppe, to discuss this as well as their capacity to handle the selling of CSI materials, receiving CSI

Board Report

mail, etc. The phone would be answered generically, i.e., by the phone number or by "Association Office". The telephone answering service cost would not exceed \$40 per month. For the other services, the cost would be negotiated further but would not exceed \$80 per month. This price would also include meeting space for the Board of Directors monthly meetings and possible storage space for CSI files.

The Board approved the plan for the 1989 Chapter year that the Board meetings will be held at the Energy Resource Center in Tualatin. Executive Director Margie Largent is reviewing the Chapter files, reorganizing them, and is presently storing them at her office.

The meeting was adjourned at 1:10 pm. The minutes were taken by Margie Largent in the absence of Jim Hirte.

Respectively submitted,
Jim Hirte, Secretary

Next Meeting

-- Continued from Page 1 --

These and other issues of concern will be discussed at the November dinner meeting. The speakers will be R. Keith Black, Western Regional Marketing Representative for Koppers Company, Inc. Keith is an Industrial Engineering graduate of West Virginia University. John Culp, District Engineer for Western Wood Preservers Institute is a Civil Engineering graduate of Oregon State University. Both men have extensive experience in the construction field.

October Dinner Meeting

Joint Sealers

Those who attended the symposium on joint sealants on October 11th enjoyed a good time filled with good information. With the small attendance (about 30 people in all), the format was altered to allow greater audience participation. The panel consisted of moderator, Bruce Townsend and panelists Tom Crawford, Pioneer Waterproofing; Bud Price, Dow Corning; Mark Walker, John Latta Associates; and Bill Wooden, Tremco.

The subject ranged from a discussion on applicable standards to good specification practices to practical advice to help your jobs go more smoothly. In summary, the panel recommended:

- 1) specifiers understand the limitations of the materials used and necessary design criteria,
- 2) make sure all trades comply with the spec; each trade should verify compatibility with surrounding materials,
- 3) have pre-job meetings with manufacturers, distributors, contractors on major sealant jobs.

The issue of warranties was discussed and the consensus of the group was that a two-year warranty is best, owing to the fact that most problems appear within the first two years.

The manufacturers estimated the durable life of silicone sealants at about twenty years and urethane sealants about fifteen years.

The potential for silicone sealants to stain porous natural stone was discussed without consensus. While Bill Wooden maintains that all silicone sealants have the potential to stain, Bud Price disagreed and indicated that he knew of no jobs on which Dow

Corning silicone had been proven to be the cause of staining. The only conclusion reached was that if concern for staining existing, mock-ups should be done on the actual materials to be used.

The meeting concluded with a training video on proper sealant application. The video was produced by Sealant and Waterproofing Institute and is an excellent program. Overall, the symposium was well received and beneficial to the attendees. Many thanks to all those who helped to make it a success.

— Mark Walker, CSI —

The Light and the Strong... Concrete

November Workshop Series

This workshop provides those responsible for designing, specifying, forming and pouring of concrete with a focus on the varied applications of concrete in construction. New applications for light, fiber-reinforced materials and super high-strength mixes will be featured.

The moderators James Craig of Lone Star Industries and Jim Dumolt of Ross Island Sand & Gravel, will discuss specifications, testing, pouring and finishing of these versatile materials. Participants will view video tapes of Northwest projects where these materials are in practical use.

The workshop will be on November 2, 1988 from 3 - 5 pm at the Multnomah County Library Auditorium, 801 SW 10th. Cost will be \$10 payable at the door. Pre-register by calling Karin Siddall at 682-3363.

A Message from the President - Northwest Region Conference, Sun Valley, Idaho



President, Inga Vrla: "Old horizons, New Frontiers"



George Eidam, President, Idaho Chapter - Don Wisdom, Chairman of Region Conference, Thank you!

What a wonderful time we had in sunny Sun Valley! 20 Portland Chapter members (including spouses) attended the conference. The various workshops were helpful as always. The luncheon speakers kept our attention as well. Arthur Hart, Hon. AIA spoke on Building Technology of the Western Frontier. Stan Nelson, Hewlett Packard spoke on New Horizons - Computer Applications in the Construction Industry. Both programs were interesting and well received.

The Educational Program was presented by Trus Joist Corporation. Mr. Bruce Hess discussed the beginnings of this Idaho Corporation. Mr. Kevin O'Sullivan discussed project research, which I found to be very fascinating, especially the methods for testing loads on joists.

One evening we were entertained at an outdoor barbeque complete with Western band. A few CSI'ers braved the dance



Ladies of the Lake: just a sample of the beautiful setting at Sun Valley Resort

floor, notably the Hansmeyers from Cook Inlet and the Shea's from Portland (literally took Betty Shea's breath away). Jim Robertson, was seen ambling around with a landmark 20 gallon hat. Perhaps Linda didn't want to lose sight of him?

Unfortunately, the Region Director nominees were unable to attend the conference, Pete Hamre

"Give me books, fruit, french wine and fine weather and a little music out of doors played by somebody I do not know." Keats



Western barbeque and dance: Walt Geisinger, Linda and Jim Robertson ham it up at "Trail Creek" (originally owned by Ernest Hemingway!)

Northwest Region Conference, Sun Valley, Idaho

Chapter News

of Spokane and Les Seeley of Portland will be competing for the Region Director position now held by Dick Gira. We'll hear more about these gentlemen in the coming months.

There were ten Region Awards presented this year. Portland received three: Linda Bowman, Editor, for her work on The Predicator; Les Seeley, for his presentation on Motivation at the 1988 Leadership Conference; and Inga Vrla, for her efforts in making the 1988 Leadership Conference a success.



Inga Vrla: proudly displays award



Everything was all they said it would be and more. Sun Valley is steeped in "movie star" history. The "cocktail party" was on a verandah overlooking the very same skating rink made famous in *Sun Valley Serenade*.... maybe not the very same, but you get the picture!

Our rooms overlooked a lovely



Betty Davidson, Dick Gira and Jim Davidson: enjoying a beautiful evening



pond occupied by ducks and swans -- they were perfectly quiet by day, but at 4 am they made such a ruckus as to wake the dead and near dead. So much for charm!

Thank you again Idaho Chapter.

-- Inga --



The Hansmeyers: in search of "Cotton-Eyed Joe"

Institute Convention Exhibit Booth Winner!

I entered and won the Weyerhaeuser Booth Architectural Design Contest. I sketched a design application for a Weyerhaeuser insulated foam panel. My prize, a Tizio desk lamp. It is the design of Richard Sapper, and manufactured by Artemide of Italy and is on exhibit at the Museum of Modern Art in New York.

The lamp has a Halogen bulb with two light intensities, fed by a transformer housed in the base through the metal arms (no wires). It has a thermal switch to accommodate power surges



and is counter-balanced to assume any position. A functional, energy-saving work of art.

Weyerhaeuser's Insulative Foam Panel can also help reduce energy use, is light weight, flexible and open to innovative use, like their prize the Tizio lamp.

Unlike Mary Alice Hutchins prize (a wedding sword) my Tizio, is not for loan to CSI'ers.

-- By Margie Largent --



BS by KS

Basic Specs by Ken Searl

I received many calls regarding last issue of the BS column wherein I discussed driving in the fast lane. Thanks for all your calls.

In the Glass Digest of July 15, 1988, Ted Hart wrote an article regarding initiating a spec change which is a very good article and if you want a copy let me know. Ted said when someone initiates a spec change he or she is opening a can of worms by creating a liability that may come back to haunt. If a specifier makes an improper selection or specification for a particular product, it is your duty to point out an obvious error, but be careful beyond that. Even if the recommended change is correct by industry standards, you have assumed some responsibility for making that change.

I don't believe most of us have looked at this situation in this particular light. I believe most people requesting a substitution do not realize they are assuming any responsibility of this nature. Ted goes on to say, one should not assume even with written approval all responsibility shifts to the Architect. The Architect is merely sharing some of the total responsibility. The percentage of this is open to discussion (hopefully not in court or in arbitration) if a problem occurs. He also states he is against the use of the words... "Or Equal." As you may know, I agree fully with that statement.

If you think something is an "or equal" you better look out. I'll give you a good example. For years I have normally specified a certain product only and when I


did approve a substitution, invariably the substituted item always got the bid, and in all cases the rep claimed his product was equal to or better than the specified product. I noticed that the substituted product wasn't lasting as long and in several cases was falling apart. Finally, I had an occasion to witness where a saw cut made through both products explained why. The substituted product was not constructed and reinforced anywhere near as well as the specified product. So what you see isn't always what you get.

In other aspects of specifications one must always keep them current and specify products that are normally available in the area of the project. I know this isn't always possible but where it is possible it will save money and get the project done in a timely manner.

A specifier tends to become complacent with the products of each specification section when specs seem to be satisfactory and appear not to have too many problems. When you get into this condition it is high time to be on the lookout for changes in projects. One must continually be watching for products that have proven satisfactory over the years and all of the sudden are either non-existent or no longer available in your area.

Another item that may be of interest is making sure your specification is clear and concise and in tune with the times in your area and not asking for anything that some bidders can't or won't bid. Sometimes it may be only a small item that by rewording will be acceptable to the specifier, bidder or supplier. I am presently in a situation where a sub-bidder

stated his firm does not bid our work and I am in the process of discovering why.

I have received many letters regarding substitutions and am beginning to realize there are many problems facing bidders besides that rascal spec writer. In future BS columns I may go into the bidder side of the story. 

Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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, The Channel Rest.

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, BJ's Restaurant



Plan now, the
December Dinner
Meeting and
Christmas Celebration will be
December 13th
at the Lloyd Center
Red Lion

Industry News

Heat-Strengthened Glass Best for Above-Grade Windows

Architectural glass suppliers recommend heat-strengthened glass instead of tempered glass when used above-grade to meet windload and thermal stress requirements in architectural glazing.

Don Vild, a glazing industry consultant notes that tempered glass contains nickel sulfide inclusions that can cause the glass to fracture spontaneously. But he says the number one concern is that tempered glass will fall out of an opening if it breaks.

Consultants say heat-strengthened glass does not contain nickel sulfide minerals and provides approximately twice the strength of annealed glass for windload resistance.

-- *Glass Digest* --

Vision 2000: A Look Into the Future

Through a program called Vision 2000, the American Institute of Architects (AIA) is compiling a look at trends that will shape the marketplace for architects at the turn of the 21st century. Following is a summary of the public's perception of architects and societal trends shaping the future of architecture from AIA's Vision 2000 report.

In a survey conducted by analyst Louis Harris, the American public looks to architects to create safe and "livable" cities in the next century.

Harris conducted two surveys, one assessing attitudes of a cross-section of the public, and the other asking knowledgeable leaders to rank social trends having the greatest impact on the future of architecture.

The first survey reveals that Americans, by a two-to-one margin, believe that "architects often make the difference in making sure that businessmen and government officials make new buildings and housing safe and livable." The public also looks to architects to "add value" to the buildings they design and to assure those buildings are safe. The public ranked architects second behind doctors in an expression of confidence.

Two-hundred-one opinion leaders surveyed, including building and design industry members, educators, and public officials, identified "designing cities that are livable" as the most important contribution architects can make in the next century.

They also identified trends expected to most influence architecture: The urbanization of suburbia, renovating existing structures, changing demographics (including a growing elderly population), the information "revolution," and American competition in the global economy.

All Vision 2000 publications are available for public distribution for a fee. Contact Vision 2000, The American Institute of Architects, 1735 New York Avenue, NW, Washington, DC 20006.



Editorial Staff

Linda Bowman, Editor
222-1917

Trasi Hogenhout, Advertising
620-1664

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o SRG Partnership, PC,
520 SW Yamhill, Suite 231,
Portland, Oregon, 97204
503/222-1917.

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon 97204
503/223-8231

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**"FIRE RETARDANT
TREATED WOOD AND
WOOD PRESERVATIVES"**

When should treated wood be specified. What type of chemicals should you specify for which type of application?

How about the controversy surrounding the American Plywood Association publication regarding heat degradation and possible delamination of treated plywood or the environmental issues surrounding the treating of wood?

These and other issues of concern will be discussed at the November dinner meeting.

The speakers will be
R. Keith Black, Western Regional Marketing Representative for Koppers Company, Inc.
and
John Culp, District Engineer for Western Wood Preservers Institute

November 8, 1988

Time:

5:30 - 6:30 pm Social Hour, 6:30 - 9:00 pm Dinner and Meeting

Cost:

\$15/person

(guests and spouses are always welcome)

Location:

Westin-Benson Hotel, SW Broadway & Stark

RSVP:

Please RSVP no later than November 4th by calling
Betty Bellwood at 231-5000, extension 755
(when making reservations for others, please give all names)

**Portland Chapter Leaders,
1988-1989**

President, Inga Vrla	635-6227
President-Elect, Tom Shea	760-6433
1987-88 President, Curtis Finch	636-9270
Secretary, Jim Hirte	244-0843
Treasurer, Jim Peterson	223-2134
Executive Director, Margie Largent	620-6573

Board of Directors

Dick Burgess, Prof. '90	226-2921
Mary Alice Hutchins, Prof. '89	223-2920
John Kehrl, Ind. '89	644-7102
Steve Miller, Ind. '90	225-1273
Arden Newbrook, Prof. '90	222-4470
Paul Wilson, Prof. '89	223-6963

Committee Leaders

Awards, Tom Clucas	234-0281
By-Laws, Paul Wilson, CCS	223-6963
Certification, Ray Totten, CCS	222-1917
Editor, Linda Bowman	222-1917
Education, Dennis Obert, CCS	226-1575
Finance, Betty Bellwood	231-5000
Hospitality, Andy Cleveland	620-1014
Liaison, Dick Burgess	226-2921
Library, Candace Robertson	222-3753
Long Range Planning, Don Eggleston	228-6444
Membership, Lee Kilbourn, FCSI, CCS	224-3860
Nominations, Curtis Finch	636-9270
Products Fair, Arnie Wake	252-1812
Programs, Steve James	288-5195
Publicity, Roy Josi	691-3944
Technical Documents, Bruce Townsend	228-6444

Region Responsibilities

Region Trustee, Jim Davidson	226-3508
Region Publications, Ken Searl, CCS	223-1181

Region Directors

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

James M. Robertson, FCSI, CCS
Robertson/Sherwood/Architects
96 East Broadway, Suite 6
Eugene, Oregon 97401
(503) 342-8077

Institute Responsibilities

Technical Documents Committee
Bob Klas 644-4222

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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 4

December, 1988

NEXT MEETING

Tuesday
December 13, 1988

SPEAKER

Marilynne Eichinger of OMSI
and Holiday Celebration

TIME

Social Hour 5:30-6:30 pm
Dinner & Program, 6:30-9 pm

COST

\$18 per person. Guests and
spouses are always welcome.

LOCATION

Lloyd Center Red Lion Inn
(Plenty of free parking)

RSVP

Betty Bellwood at
231-5000, extension 755,
by 10 am, December 9th
(when reserving for others,
please give all names)

When East Meets West

For more than 30 years the Oregon Museum of Science and Industry (OMSI) has intrigued visitors of all ages and backgrounds, engaging them in the excitement of learning through interacting "hands on" exhibits, workshops, classes, and temporary exhibitions.

The current building now housing OMSI has expanded only slightly since its construction in 1967, and was designed to accommodate 100,000 visitors annually. Today it is strained by the more than 600,000 visitors who flock to the museums crowded exhibition halls and classrooms each year.

Marilynne Eichinger, OMSI's Executive Director since 1985, will inform us of OMSI's exciting plans for a much larger, state-of-the-art facility to be built on an 18.5 acre parcel of land that once housed a PGE generating plant (Station L) on the east bank of the Willamette River. This site will provide three times the space



Marilynne Eichinger of OMSI



of the museums current home. OMSI's Board and staff have been working with Architect Robert Frasca of Zimmer Gunsul Frasca Partnership. Final plans for the 180,000 sf, \$30 million facility will include an exhibit center, planetarium, and OMNIMAX theatre. Please join us, bring a spouse or a friend and help ring in the holiday season by getting a sneak preview of OMSI's exciting future.



PORTLAND CHAPTER

CSI

WHAT'S INSIDE

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- Industry News, Page 6
- Troublesome Trivia, Page 7

A Message from the President



President, Inga Vrla



Comments...

I would like to offer a special THANK YOU to our Program Committee Chairman, Steve James of W.R. Grace Company; Education Committee Chairman, Dennis Obert of BOOR/A Architects, and especially to our Calling Committee Chairman, Roy Josi of PGE. These are people working together for US!

Our program last night was well presented. John Culp of Western Wood Preservers Institute and R. Keith Black of Koppers Company were knowledgeable

and to the point. We left with a better understanding of pressure treated and fire retardant treated wood.

Our Calling Committee has been dedicated to calling the membership and reminding us of the meetings. This has been helpful, and I believe appreciated.

One problem (an old one I fear) is "not showing up" when you promised you would! This wouldn't be a problem if the hotel didn't "ding" us for the "no shows." Last night the Chapter was hit for almost \$200. OUCH! If you are unable to keep your reservation, please call Betty Bellwood at 231-5000, extension 755, no later than 9 am Monday prior to the meeting. When you say to yourself "it won't matter, no one will miss me", know that it is not true! MNAF's (missing, not accounted for) will get a bill forthwith!

On a lighter note - our December meeting will be December 13, 1988 at the Lloyd Center Red Lion Inn. Come and enjoy a pre-holiday dinner. Bring your spouses and friends (don't forget to reserve). We promise to have an entertaining evening for you!



Excellent specifications aren't developed overnight. And neither are the people who prepare them. Sign up now for the Certified Construction Specifier exam. Deadline for application is January 15, 1989. For program information in the Portland area call Ray Totten, (503) 222-1917.

Because Not All Specifiers Are Created Equal.

Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL) 3rd Tuesday of month, 6:30 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, Red Lion Inn

Puget Sound (Seattle, WA) 2nd Thursday of month 5:30 pm, The Channel Rest.

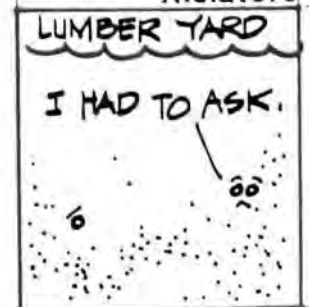
Spokane (Spokane, WA) 2nd Thursday of month 6:30 pm at various locations

Willamette Valley (Eugene, OR) Last Thursday of month 5:30 pm, BJ's Restaurant

Specks



Alclatore



Board Report

Minutes of October 4, 1988 Board of Directors Meeting

Present: Inga Vrla, Tom Shea, Margie Largent, Jim Hirte, Jim Peterson, Curtis Finch, Dick Burgess, Steve Miller, Arden Newbrook and Paul Wilson.

Others Present: Linda Bowman, Betty Bellwood and Roy Josi.

Absent: Mary Alice Hutchins and John Kehrlie.

The meeting was called to order at 12:06 pm. Minutes of the June and September Board of Directors meetings were read and accepted as amended.

Treasurers Report: Jim Peterson presented a "Preliminary Annual Summary" of income and expenditures. Preliminary analysis indicates income exceeded expenditures by a little more than \$2,000.

Since the Treasurer's report was preliminary in nature, it was moved by Curtis Finch and seconded by Tom Shea that the report be tabled; the motion passed.

Betty Bellwood presented the corrected Fiscal Year 1988-1989 Budget. There was no discussion. The budget was accepted as presented.

Technical Documents: No report

By Laws, Paul Wilson: Paul reported the committee was considering work on two new or amended By-Laws: 1) Rewrite current By-Law to allow for a chapter dues increase; 2) draft a new By-Law to create the position and define the duties of a Chapter Executive Director.

Archives, Margie Largent: Margie presented a preliminary draft of the history of the Portland Chapter since its founding.

Education: No report.

Programs, Tom Shea: Tom reported that all programs are set for the '88-'89 with the exception of the December 1988 program. A seminar on joint sealants is being held in conjunction with the October meeting. The committee is still considering a summer program.

Awards: No report.

Library: No report.

Certification: No report.

Publicity, Roy Josi: Arden Newbrook and Roy Josi presented a committee report establishing goals.

One of the goals of the committee was to present box-lunch meetings to various architectural firms to explain CSI, encourage membership and active participation. It would require funding of approximately \$150 per program presented. Hirte moved that the Publicity Committee be allowed to proceed with a test program at a maximum expenditure of \$150 per presentation and a maximum of 3 presentations. Finch seconded the motion. Discussion followed. Newbrook moved to amend the motion to establish the maximum total expenditure by the committee in this pilot program to \$300. Finch seconded the amendment and it passed by voice vote. Shea called for the question on the amended motion. It passed by voice vote. It was opposed by Peterson and Wilson.

Liaison: No report.

Long Range Planning: No report.

The Predicator: No report.

Hospitality: No report.

Membership: No report.

Products Fair: No report.

Finance/Audit: See Old Business.

Nominations, Curtis Finch: It was announced that Les Seeley has been nominated for Region Director. He will be running against Pete Hamre. Official announcement will be sent to the newsletter editors by Region.

Tom Shea was asked to check with Tom Clucas to see if he would serve as Co-Chairman of the Region Awards Committee.

Old Business: Tom Shea presented an audit report authored by Charles Walker, retired Vice-President of US National Bank of Oregon. The report was critical of record keeping, particularly as it pertains to a lack of receipts to back-up expenditures. Because of a lack of receipts, an audit for correctness can not be done with any accuracy. The records regarding the expenditures for the 1988 Products Fair were lacking substantially in receipts to back-up expenditures. The Chapter check-book was also missing substantial documentation. Considerable discussion followed.

Arden Newbrook moved that Tom Shea, with assistance from the Audit Committee, develop specific guidelines and recommendations for all Chapter financial transactions with respect to book-keeping and record keeping. The guidelines are to be presented at the November 1988, Board of Directors meeting.

New Business: None brought forward.

Meeting was adjourned at 1:20 pm.

-- Respectfully submitted,

Jim Hirte, CSI

Secretary --



BS by KS

Basic Specs by Ken Searl

For your information, I now do this column using both Wordstar and WordPerfect. The editor of The Predicator takes my disk with WordPerfect and dumps it into the PageMaker software. I also do the column in Wordstar for myself and other people. Now it seems to me if one can use two different software programs which in effect are two different languages one may as well start learning another language besides English. In my case I am considering Spanish.

If you think word processing programs and languages are a bearcat, just start learning a CADD program. One fellow in my office say's he reads all the instructions, follows them to the letter, rubs his rabbit's foot and sometimes the rascal still doesn't work right. I told him what else is new.

For those of you who are still running a computer with one or two floppy disks and are not too happy about flipping all those disks in and out, why not invest in a hard disk. Around Portland one can purchase a 20 MB hard disk for \$300 or slightly less (installed) and this will do more good than any other investment you make to improve your computer operation. Two floppy disks with a hard disk also come in very handy. I might add consider not recording any data on your hard disk. Put everything on floppies because as software programs become more sophisticated they also take up more space and it doesn't take

long to fill up a hard disk. When a hard disk starts filling up it begins to slow down and who needs that. Plus there is an old saying going around that "it isn't a matter of whether or not a hard disk will crash but when." If you don't have any data you worked hard at on the hard disk and the hard disk crashes, you only lose the programs on the hard disk and you can replace them pretty easily but just try replacing the data portion on a hard disk unless you have all the data backed up.

Let's talk about bid procedures and what can happen during the bid period. One classic example I have been involved with occurred when a manufacturer called a bid to a local subcontractor with a qualification. The subcontractor did not pass the qualified bid on to the general contractor, stating later that this qualification was never received by telephone but only discovered a few days later by mail. This happening fortunately does not occur very often.

How can this be prevented from happening? For starters the manufacturer can FAX the bid price to the subcontractor. The subcontractor can also FAX the bid to the general contractor and if there are any qualifications they should be stated. Now if any of these people are worried about their prices being peddled they can FAX only the scope of work or what drawings and specifications are covered and then call in the actual price later and shortly thereafter send a FAX confirmation. This gives some time to sort out various prices and just what is

covered and arrive at a more accurate figure.

I talked to some local contractors and they agreed the above has merit. One of them already gets some of the bids early in a scope form and then gets the price on bid day. It seems some of the qualifications are minor and some are more serious like deleting excavation and backfill from a mechanical or electrical bid. With previous scope information a contractor can generally figure out how to handle various bids and just who is actually lowest.

Another item I discussed with general contractors was when the list of subcontractors should be presented. One thought this should be turned in with the bid. Another one thought it should be 48 hours later and one suggested if it was an afternoon bid not more than three hours later and if any evening bid not later than noon the next day. Most agreed that they should not be attached to the bid and not because of any bid shopping but because it is just too difficult to get it together very accurately in such a short time. If a list of subcontractors is required they all thought they could live with a 24 hour period after bid opening.

Fax machines are a wonderful piece of equipment and most people that have them comment they wonder how they ever got along without them. If you don't have a FAX get the facts and you will soon own a FAX. I know a manufacturer who plans to buy a second FAX because the one he has is constantly busy.



Please Post



THE PORTLAND CHAPTER CSI

presents

*Advancement of
Construction Technology*

"When East Meets West"

For more than 30 years the Oregon Museum of Science and Industry (OMSI) has intrigued visitors of all ages and backgrounds, engaging them in the excitement of learning through interacting "hands on" exhibits, workshops, classes and temporary exhibits.

Please join us for our December Dinner Meeting featuring Marilynne Eichinger, Executive Director of OMSI who will inform us of OMSI's exciting plan for a 180,000 sf, state-of-the-art facility to be built on the east bank of the Willamette River.

Bring a spouse or a friend and help ring in the holiday season by getting a sneak preview of OMSI's exciting future.

Tuesday, December 13, 1988

Time:

5:30 - 6:30 pm Social Hour, 6:30 - 9:00 pm Dinner and Program

Cost:

\$18/person

(guests and spouses are always welcome)

Location:

Lloyd Center Red Lion Inn
(Plenty of free parking)

RSVP:

Please RSVP no later than 10 am on Friday, December 9th by calling Betty Bellwood at 231-5000, extension 755
(when making reservations for others, please give all names)

November Dinner Meeting

Fire Retardant Treated Wood and Wood Preservatives



Guest Speakers: Keith Black and John Culp



John Culp, District Engineer for the Western Wood Preservers Institute opened the meeting with an excellent slide presentation of wood preservative technology, treatment equipment and preservative treated wood. His slides included wood fiber construction and technical requirements for injecting chemicals into the openings of the wood fibers. There is a difference between heartwood and sapwood pressure treatment with chemical preservatives. His pictures and diagrams showed current pressurized treatment equipment including the retort (a hermetically sealed cylinder) with vacuum systems for removing moisture from the wood and pressure systems for injecting chemicals into the wood.

The American Wood Preservers Association is the technical organization responsible for forming the product standards, and the

American Wood Preservers Bureau is the quality control organization which licenses inspectors and certifies inspection agencies for preservative treated wood.

Under current AWPB Standards, LP-2 treatment requires 0.25 pounds of ACA or CCA chemicals per cubic foot of wood by assay (oxide basis) and LP-22 treatment for ground contact use requires 0.40 pounds of ACA chemicals and 0.50 pounds of CCA chemicals per cubic foot of wood by assay (oxide basis.)

Douglas Fir grown East of the Cascade mountains reacts differently to the insertion of chemicals than does Douglas Fir grown West of the Cascade mountains. There is a different reaction of each species to the pressurized treatment process and heartwood is more difficult to treat because the chemicals will only penetrate heartwood parallel to the grain. Some species are not easily treated. Some wood members need to be incised on exposed surfaces to get the required amount of chemicals within the wood.

Specifiers and users of preservative treated wood are encouraged to look for the American Wood Preservers Bureau mark on each piece of wood. The product literature published by the AWPB indicated that 3 of the 12 quality control Inspection Agencies certified by AWPB are in the Portland metropolitan area.

The second speaker, R. Keith Black, of the Koppers Company opened his discussion of fire treated wood by advising the audience that wood burns at 450 degrees F and fire retardant treatment chemicals begin to release

water at 320 degrees F. This process causes the wood to char instead of burn during a fire, which allows the wood to receive a flame spread of 25 or less when tested in accordance with ASTM E84. The FR-S designation for fire treated wood indicates that wood will pass the ASTM E84, Steiner Tunnel Test with a 25 or less rating for flame spread, smoke developed, and fuel contributed.

Koppers has sold its exterior fire retardant treatment process to J.H. Baxter, and is no longer providing materials for treatment of exterior wood.

The "Hygroscopicity" is the tendency to absorb moisture when subjected to higher relative humidity, and "Corrosive" is the tendency for metal to corrode when subjected to moisture. Both of these terms are important when considering the recent problems found by the American Plywood Association during inspection of fire retardant treated wood in existing attic spaces. Through laboratory studies, the American Plywood Association found that fire treatments containing mono or diammonium phosphate would react within a period of two or three years, to high temperatures and high relative humidity with a process called acid hydrolysis, which breaks down the middle lamella (the cement holding wood fibers together). The Koppers formula for fire retardant chemicals does not contain mono or diammonium phosphate, and therefore is not subject to deterioration of the treated wood under high temperatures and relative humidities under 95 percent.

Strength charts are published

--Continued on Page 6--

November Dinner Meeting

--Continued from Page 5--

by the Koppers Company for fire retardant treated wood and each chemical treatment company should publish a similar chart for their products. Because each manufacturer's chemical treatment process is different, structural values for fire retardant treated wood will be different.

The meeting, held on election night, was well attended and those in attendance were thoroughly informed by the speakers. Now, if I could remember the difference between the AWWA, AWPB, AWPI and WWPI, I would feel an additional sense of accomplishment.

— By Dennis Obert, CCS, CSI —

Research confirms Biodegradation of Chemicals used in Wood Treatment

The November meeting of Portland Chapter CSI made me aware that members and friends of the Chapter may be interested in research underway that has shown biodegradation of pentachlorophenol residue. A report was presented to the Western Wood Preservers Institute at their meeting in Coeur d'Alene this last June.

Data is available on biodegradation of pentachlorophenol and polychlorinated biphenyls. For further information, please contact me at 503/222-5279.

-- By Perky Kilbourn, PhD --



Publications

Metal Rail Manual Available from NOMMA

The National Ornamental & Miscellaneous Metals Association (NOMMA) has published its second edition of the *NOMMA Metal Rail Manual* designed for fabricators, installers, architects, designers, and specifiers of ornamental metal rails. Copies are available for \$25 from NOMMA, Suite 109, 2996 Grandview Ave., NE, Atlanta, GA 30305; (404) 237-5334.

1988 - 1989 Directory of Door Manufacturers

This directory provides information on over 170 door manufacturers in the United States. In addition, the directory contains a section on marketing research reports and a section on industry and architectural trade associations and publications. The directory is available for \$240 from MarketFax, P.O. Box 52977, Atlanta, GA 30355-0977; (404) 365-8667.

Sprinkler Guide Available

The National Fire Sprinkler Association (NFSA) has published *Sprinkler Update '88*, a collection of selected reprints on fire standards, codes, and new technology.

Quick-response sprinklers, residential sprinkler standards, piping, spray patterns, and retrofit ordinances are covered. The publication is \$5 for NFSA members, \$7.50 for non-members, plus 50 cents for postage and handling for each copy. Send check or money order to NFSA Publications, PO Box 1000, Patterson, NY 12563.



Industry News

Contractor's Comments

Prior Approval should be a universal procedure on all projects. There are many architectural firms with the policy of Prior Approval — they clearly state it in the specifications and they enforce it. The remaining firms use a specification with two or three brand names listed, but still leave it an "open game" bidding process. There should be consistency in this phase of the bidding process, because many General Contractors receive bids on unspecified products, and they take the risk to use the bid or not. If they don't, their competition will. Therefore, the risk should be eliminated by adopting the Prior Approval policy, and all bidders (General and Subcontractors) will know what is and isn't approved. Also, this will eliminate the Voluntary Alternates if the submittal was too late to be reviewed.

-- By Mike McGuire --



Improve your knowledge of construction documentation and organization as prescribed by CSI. Take the Certificate Program exam. It's offered to all individuals in the construction and allied industries.

Deadline for application is January 15, 1989. For Program information in the Portland area call or write Ray Totten, SRG Partnership, 520 SW Yamhill, Suite 231, Portland, OR 97204; (503) 222-1917.

Industry News

Troublesome Trivia

For years I wondered why specifiers wrote "portland" for portland cement with a capital "P". Was it Mr. Portland who invented the material, or was some city of Portland the original source of that mineral ingredient in concrete, probably the most widely used construction material in the world? If portland cement should properly be so referenced, then why shouldn't masonry, slag, hydraulic, expansive, asphaltic and other types of cements be written with initial caps? Too many years have passed since my North Carolina State professor attempted to teach us the fundamentals of building materials that included the development of cements, and such detail faded from memory long ago.

I searched the ASTM standards and there is no initial capital used for the term in ASTM C150, the American standard for portland cement. The American Concrete Institute also does not use a capital "P" for the word. MASTER-SPEC, Corps of Engineers, and NAVFAC guide specifications do not now use the initial capital, but SPECTEXT in a few rare references to the product retains the capital "P".

Finally, there was the Portland Cement Association file to check. In an old (1977) PCA mailing discovered during a recent office cleaning I found a reference that clarifies the troublesome practice: "Portland" is not a brand name. It is a generic term used to describe any cement that hardens in the presence of water and is made to standard specifications. For all

practical construction purposes, therefore, all cement is portland cement, the name selected by its English inventor in 1824 because concrete made with his product resembled natural building stone quarried on Portland, an English Island."

With that definition it would seem that the term "portland" is unnecessary. Highway and civil engineers, however, use the term consistently to distinguish portland cement from asphalt cement, and the term is common in standards and specifications dealing with exterior pavements and heavy construction. It's use is important also in distinguishing the material from masonry cement when specifying mortars and from other less common types of cements formulated for other applications.

But just try writing "portland" with a little "p"! Typists will "correct" your oversight without even mentioning your apparent negligence. Government agency reviewers will redmark your carelessness repeatedly and require written justification for your failure to comply with corrections, should you choose to ignore their comments. Mechanical and electrical consultants using the capital "P" will create inconsistency in the project manual and make it obvious that you haven't been attentive to convention.

Old habits die hard, and it's likely that the term "portland" will be written with a capital "P" for years to come.

And then there's that word "Work"!

-- *Everett G. Spurling, FCSI, FAIA, Mid-Atlantic Region Technical Chairman* --



Editorial Staff

Linda Bowman, Editor
222-1917

Trasi Hogenhout, Advertising
663-9192

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/A Architects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon 97204
503/223-8231

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Happens When You
Don't Advertise???*

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1988-1989**

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Institute Responsibilities

Technical Documents Committee Bob Klas	644-4222
---	----------

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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 5

January, 1989

NEXT MEETING

Tuesday
January 10, 1989

SPEAKER
Panel Discussion of
Above-Grade Waterproofing

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

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

LOCATION
Westin-Benson Hotel
SW Broadway and Stark

PARKING
Validated Parking \$1 under
Bank of California Bldg.

RSVP
Betty Bellwood at 231-5000,
ext. 755, by 10 am January 6th



Stopping Rainwater Penetration

A subject of real controversy in the construction industry is above-grade waterproofing. It is also a subject of critical importance.

So how does one know what to specify for what application -- especially where no standards exist. Do you rely on experience in the school of hard knocks? Can you rely on manufacturers claims? It seems there are no easy answers on this subject.

But help is on the way. The January CSI meeting, and seminar to follow the next day, will address critical issues on this important subject. The panel, moderated by Gene Andrews, CSI of

Thoro Systems Products, will consist of:

- Pat Merriman of Mason's Supply Company on Clear Sealers
- Les Seeley, CSI of DEL Distributing on Elastomeric Coatings
- Nick Ellis of Salmon Bay Sand and Gravel (Seattle) on Cementitious Coatings
- Tom Hammer, CSI of Smithwick Block Company on Dryblock

The discussion will cover the difference in substrates; methodology; performance; cost; application; ambient conditions; testing; and specifications.

-- Continued on Page 6 --

PORTLAND CHAPTER

CSI

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- Waterproofing Seminar, Page 2
- Candidate Statements for NW Region Director, Page 6
- MasterFormat Changes, Insert

A Message from the President



President Inga Vrla

.....

There is always much ado about recruiting new members in an organization such as ours. Little seems to be done however, to nourish or motivate these new members (who deserve and appreciate special attention), or to introduce them to CSI... what we are all about, etc. Besides the obvious benefits of membership, i.e., seminars, industry news, technical documents, monographs, the camaraderie with other members of the construction industry is special and second to none!

With this in mind, on December 1, 1988 the Board and committee chairpeople of the Portland Chapter were hosts at a New Member Orientation breakfast at the Portland Inn. About 35 people attended, of which 13 were new members (January 1 through October 31, 1988).

Board members were introduced and the various committee chairmen discussed their chapter activities. Dick Gira, Northwest Region Director gave a brief overview of the history of CSI and this was followed by a 20 minute video prepared by the Institute.

The Chapter's part in developing the Construction Library was explained by John Brockamp. Bob Klas, who is on the Institute Technical Documents Committee, spoke about Technical Committee work at the Institute level. Lee Kilbourn spoke about Certification and brought along applications for the CCS and Certificate exams, and also samples of Institute publications such as SpecData and MasterFormat, etc.

Curtis Finch, Past-President lugged the Institute Administration Guide to the podium, gave a brief description of same and proceeded to read the "President's Duties" chapter. (I knew if I waited long enough someone would read it to me!)

(Incidentally, the 1988 MasterFormat is now available at the CSI/AIA office on SW First Avenue. Call to reserve your copy! 223-8231.)

We distributed badges and the Chapter Member Directory to new members and membership pins to those who had not yet received them.

WELCOME NEW MEMBERS

Randy Newby*	Bill Simons*
Ken Spear	Gene Andrews*
Mike Stronk*	Joe Weber
Christopher Williams*	Mark Teppola*
Mike Bowles*	Frank Barnes*
Don Sparks*	Randy Jahn*
Lennie Sobocinski*	Joseph Gehlen
Bill Greeley*	John Wulf
Lee Keswick	Robert Wright
Don Davis	Larry McGinnis
John Leasure*	Ian Murphy

* Present

We believe the breakfast was a success and plan to repeat this, perhaps next May, for new members from November 1, 1988 through May 1989.

Best wishes for a happy and prosperous New Year! See you all January 10th!

Above-Grade Waterproofing Seminar

For those persons who want additional information not presented at the panel discussion of *Above-Grade Waterproofing* on Tuesday night, the discussion will be continued the next day, Wednesday, January 11th at the Lloyd Center Red Lion, from Noon til 2 p.m. Cost of the seminar will be \$15 for members and \$20 for non-members.

If you are interested in attending this seminar, please contact Dennis Obert at 226-1575 before 10 a.m., January 9th.

Attention:

Industry members with above-grade waterproofing products are invited to display products and literature on table tops at the January dinner meeting and seminar the following day.

Cost is \$25. *Rental of a table top will enable one person to attend the seminar at no charge.* Call Margie Largent at 620-6573 to reserve a table.

Member Profiles



Trasi Hogenhout: Daily Journal of Commerce Plan Center



On January 17th, the Daily Journal of Commerce will open its doors to the public offering a full service plan center, extending the support it has given the construction industry for over three generations. Trasi will act as Manager of

the plan center, utilizing her renowned skills in customer service.

Trasi was born in Amsterdam, Holland and at the age of 4 moved to Canada and eventually settled in the Seattle area. She attended Holy Names Academy (High School for Girls) in Seattle and received a Bachelor of Arts degree in Art from Marylhurst College for Women in 1972.

Her career began at Carpenter-Offutt Paper Co. now known as Unisource on the customer service desk moving up to assistant purchasing agent. She worked for Construction Data & News for 10 years as their plan center manager and more recently with W.H. Cress Company, a leading building materials supplier.

Even though she has only been an official member of CSI for 6 months she has been actively

involved for several years. We remember her for the great clerical support she provided the membership back in 1986 and 1987. She has also been the assistant newsletter editor responsible for advertising.

Trasi has won several awards for her pen and ink wildlife drawings, notably first prize at the Bellview Arts and Crafts Fair. She resides on five acres and has within the last year been busily landscaping 2 acres of it.

She says she truly enjoys working for the construction industry and the best part of her job is providing subcontractors with leads on construction projects and technical assistance during the bidding process.

CSI congratulates Trasi on her new venture and looks forward to working with her.



Walter Suman: Wiley-Bayley Agency



Walter Suman has been a part of Wiley-Bayley Agency for 8 years. He began his career with WB in Portland, and within 4-1/2 years graduated to sales manager and

moved to Seattle where Walter and wife Margaret reside with their 4 year old daughter. Margaret is a Law student at the University of Puget Sound in Tacoma with one term to go. During Walt's off-hours he enjoys photography and he and Margaret often snow ski.


A native of Houston, Walter received his Bachelor of Science degree in Business and Building Construction from the University of Oregon in 1980.

Walter's territory extends to six states as a manufacturer's representative for major items in Division 7, including waterproofing and Styrofoam Brand Blue Insulation (as a building material, not to be confused with packaging material). Dow Chemical, manufacturer of Styrofoam Brand

Insulation has voluntarily researched the CFC (Chlorofluorocarbons) issues with plans to convert to non-harmful matter by the year 1989, according to Walter.

Some of the primary building projects Walter has worked on includes the Portland Building, County & Federal Courthouse, City Hall, First Interstate Building, Tektronix, Portland School District and the Georgia-Pacific Building.

He joined CSI in 1980 at the suggestion of the infamous Lee Kilbourn, and has served on the Portland Chapters' Programs and Hospitality Committees.

CSI thanks Walter for his support of the industry, and the support of the Wiley-Bayley 

BS by KS

Basic Specs by Ken Searl

Andy Cleveland of Owens Corning recently wrote an article entitled "Roofing Roulette." Be sure to get a copy of it because it is very informative (see Page 5). One item of note is his statement that roofing failures are ten times more likely to occur when an alternate system is accepted. In my opinion this can largely be attributed to the fact that many of the substitute systems and some of the applicators haven't been around very long.

I've said this before and no doubt will say it again... "The most important element in the installation of a roofing system or other systems is the applicator or installer." Who installs a system is usually much more important than the system or product itself.

A factory rep was in my office the other day with a new catalog and he noticed I had a lot of catalogs on shelves in my office. He was looking for a spot to put his new catalog and discovered all the catalogs on the shelves were roofing or hardware. I told him I only kept the trouble makers in my office. The rest of the catalogs were downstairs. Now don't get

me wrong, there are other trouble makers besides hardware and roofing but these are the most popular.

Now I want to talk about computers. There is a lot of talk about new operating systems, graphics, networking, multitasking and a whole new bunch of buzz words. Regardless of what some salesperson says, ask yourself just what are your computer needs.

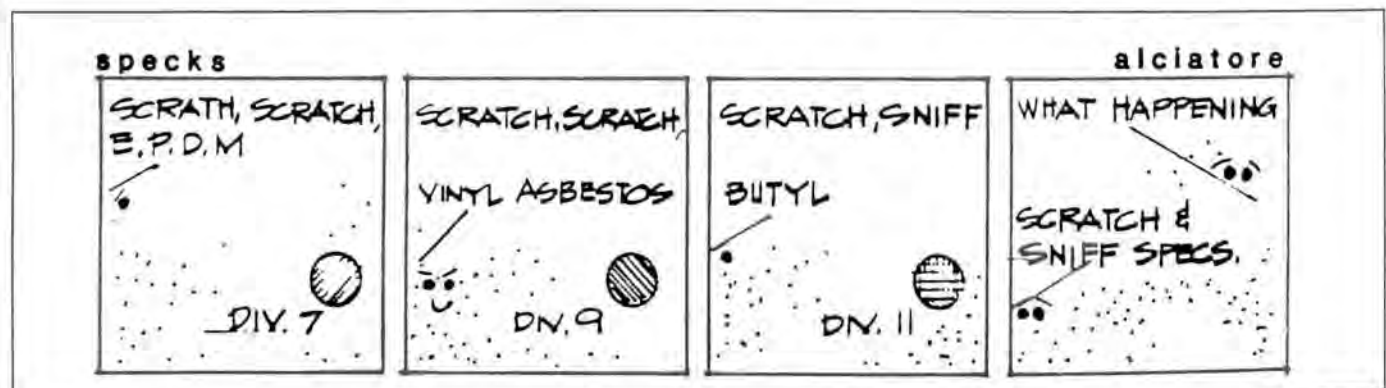
If your computer use is to be mostly word processing, it is a very clear choice: For economy, go with an MS DOS system. For word processing get Wordstar 4.0 or 5.0 or WordPerfect 4.2 or 5.0. If you need to do mostly graphics go with Macintosh. All this business about multitasking and other so called buzz word items is only needed if you intend to connect to main frames, networking, do complicated spread sheets, etc.

They would like you to believe some of these new systems can do several programs or tasks at once and in a sense they do but they do it mostly by high speed switching. Believe me, I don't see how a newcomer to the world of computers can ever figure out just what to buy. One article I read suggested one obtain the services of an

expert and even if you pay them \$100 to get help and advice it is well worth the money.

Another feature that gets confusing is the speed of a computer. A common speed of recent years has been 4.77 to 8 or 10 mhz. Now they are pushing speeds of 12, 16, 25 and above. This high speed is costly and in some cases needed for complicated graphics such as a CADD program. For the average word processing buyer speeds of 10 to 16 mhz are more than adequate. I recommend purchasing an 80826 operating system rather than an 8088.

Hard disks are becoming bigger and of course more costly. For the average computer buyer a 20 or 30mb hard disk is fine. For complicated programs more capacity is required. There is a small minority of us that do not put any data on hard disks, only programs. If you do this a 20mb hard disk is all you will probably require. I received a call the other day from a fellow who has a local service to rescue lost information on hard disks. I told him we did not record on our hard disks and he said we did not need his services. He also stated always park your hard disk before turning off your computer.



Please Post

THE PORTLAND CHAPTER CSI

presents

"Stopping Rainwater Penetration"

The January CSI meeting will be a panel discussion addressing the important subject of above-grade waterproofing; and for those persons who want additional information a seminar will be offered Wednesday, January 11th.

Tuesday, January 10, 1988

Time:

5:30 - 6:30 pm Social Hour, 6:30 - 9:00 pm Dinner and Program

Cost:

\$15/person

(guests and spouses are always welcome)

Location:

Westin-Benson Hotel
SW Broadway and Stark

RSVP:

Please RSVP no later than 10 am on Friday, January 6th by calling Betty Bellwood at 231-5000, extension 755
(when making reservations for others, please give all names)

Seminar:

Wednesday, January 11, 1988

from Noon - 2 p.m.

Location:

Lloyd Center Red Lion

Cost:

\$15/members, \$20/non-members

RSVP:

Dennis Obert by calling 226-1575

THE 1988 EDITION OF MASTERFORMAT

The following notes point out some of the major improvements included in the 1988 edition of MASTERFORMAT. In most cases only the broadscope number and title differences between this and the 1983 edition are noted. However, improvements have also been made in some mediumslope and narrowscope listings and in some broadscope explanations as well. There are no broadscope number or title changes in Division 8 - Doors and Windows, or Division 15 - Mechanical.

The explanatory text between pages one and eight has been revised to more fully explain how MASTERFORMAT is organized and how it can be used in its various applications.

Reference numbers have been assigned to the "Introductory Information" in a project manual. This information consists of the Title Page, Certification Page, Table of Contents, and the List of Drawings, Tables, and Schedules. The new "Introductory Information" includes items formerly contained in Document 00850 - Drawings and Schedules.

Document 00900 - Addenda, replaces Document 00900 - Addenda and Modifications.

Division 1 - GENERAL REQUIREMENTS

Section 01035 - Modification Procedures, has been added.

Section 01090 - References, replaces Section 01090 - Reference Standards, and four mediumslope numbers and titles have been added.

Mediumscope Sections 01092 - Abbreviations, and 01093 - Symbols, have been added and broadscope Section 01070 - Abbreviations and Symbols, has been deleted.

Section 01650 - Facility Startup/Commissioning, replaces Section - 01650 - Starting of Systems/Commissioning. Mediumscope Section 01655 - Starting of Systems, has been added.

DIVISION 2 - SITEWORK

Section 02080 - Hazardous Material Abatement, replaces Section - 02080 - Asbestos Removal.

Section 02600 - Utility Piping Materials, replaces Section 02600 - Piped Utility Materials.

Section 02680 - Fuel and Steam Distribution, replaces Section 02680 - Fuel Distribution.

Section 02760 - Restoration of Underground Pipe, replaces Section 02760 - Restoration of Underground Pipelines.

DIVISION 3 - CONCRETE

Section 03500 - Cementitious Decks and Toppings, replaces Section 03500 - Cementitious Decks.

DIVISION 4 - MASONRY

Section 04100 - Mortar and Masonry Grout, replaces Section - 04100 - Mortar.

Section 04700 - Simulated Masonry, has been added.

DIVISION 5 - METALS

Section - 05030 - Metal Coatings, replaces Section 05030 - Metal Finishes.

DIVISION 6 - WOOD AND PLASTICS

Section 06150 - Wood and Metal Systems, replaces Section - 06150 - Wood-Metal Systems.

Section 06500 - Structural Plastics, replaces Section 06500 - Prefabricated Structural Plastics.

Section 06650 - Solid Polymer Fabrications, has been added.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07180 - Water Repellents, has been added.

Section 07190 - Vapor Retarders, replaces Section 07190 - Vapor and Air Retarders. Section 07195 - Air Barriers, has been added.

Section 07240 - Exterior Insulation and Finish Systems, has been added.

THE 1988 EDITION OF MASTERFORMAT

Section 07270 - Firestopping, has been added.

Section 07400 - Manufactured Roofing and Siding, replaces Section 07400 - Preformed Roofing and Cladding/Siding.

Section 07840 - Exterior Wall Assemblies, has been added.

Section 07570 - Traffic Coatings, replaces Section 07570 - Traffic Topping.

DIVISION 9 - FINISHES

Section 09230 - Aggregate Coatings, has been deleted.

Section 09450 - Stone Facing, has been added.

Sections 09540 - Special Wall Surfaces, and 09545 - Special Ceiling Surfaces, have replaced Section 09540 - Special Surfaces.

DIVISION 10 - SPECIALTIES

Section 10100 - Visual Display Boards, replaces Section 10100 - Chalkboards and Tack Boards.

Section 10280 - Specialty Modules, has been deleted.

Section 10340 - Manufactured Exterior Specialties, replaces Section 10340 - Prefabricated Exterior Specialties.

Section 10700 - Exterior Protection Devices for Openings, replaces Section 10700 - Exterior Sun Control Devices.

DIVISION 11 - EQUIPMENT

Section 11140 - Vehicle Service Equipment, replaces Section 11140 - Service Station Equipment.

Section 11680 - Office Equipment, has been added.

Section 11870 - Agricultural Equipment, has been added.

DIVISION 12 - FURNISHINGS

Mediumscope and narrowscope Sections under the broadscope Section 12300 - Manufactured Casework, have been renamed and reorganized.

DIVISION 13 - SPECIAL CONSTRUCTION

Section 13150 - Aquatic Facilities, replaces Section 13150 - Pools, and includes additional mediumscope and narrowscope sections.

Section 13175 - Ice Rinks, replaces Section 13160 - Ice Rinks.

Section 13185 - Kennels and Animal Shelters, replaces Section 13170 - Kennels and Animal Shelters.

Section 13750 - Cogeneration, has been added.

Section 13950 - Special Security Construction, has been added.

DIVISION 14 - CONVEYING SYSTEMS

Section 14300 - Escalators and Moving Walks, replaces Section 14300 - Moving Stairs and Walks.

DIVISION 16 - ELECTRICAL

Section 16200 - Power Generation - Built-Up Systems, replaces Section 16200 - Power Generation.

Section 16300 - Medium Voltage Distribution, replaces Section 16300 - High Voltage Distribution (Above 600 Volt).

Section 16400 - Service and Distribution, replaces Section 16400 - Service and Distribution (600 Volt and Below).

- - *compiled by Ken Guthrie CSI CCS, leader, AdHoc MasterFormat review Committee.*

Composed on two pages as a service to the Members and Friends of Portland Chapter CSI.

Chapter News

Specification Substitutions - A Game of "Roofing Roulette"

Too Strong?

Think about this — there are 467 roofing membrane products available from 78 suppliers! In addition to that add another 196 roof insulation products!

The design decision to specify a particular roofing system is difficult at best. But the real game begins when, you the decision maker, have to defend that specification or be sure you are accepting products and systems that are going to meet your original criteria. Consider the statement some authorities claim — that roofing system failures are ten times more likely to occur when an alternate system is accepted.

Listed below are some guidelines for protecting your specification and increasing the odds against roof failures:

Item 1 - Dust off your office master specification. Rewrite it, update it and make sure it is kept current.

Item 2 - Write "Tighter" Specifications. Avoid the "or equal" catch-all phrase. Write full descriptions that clarify what the system is, what it is to do and how it is to be installed.

Item 3 - Before you accept a Substitution:

A. Insist on receiving the proper paperwork. This does not mean shop drawings.

B. Insist on samples of the

product.

C. Review the technical data.

D. Don't accept requests after your specified time (seven to ten days).

E. Check the literature against recognized standards... ASTM, UL, NBS, Roofing Materials Directory, etc.

F. Call your roofing sales representative and ask their opinion of the request.

Item 4 - Review why you specified the system you did against what is being submitted.

Item 5 - Improve your odds!

— *By Andy Cleveland* —

Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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, The Channel Rest.

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, BJ's Restaurant

1988 AIA/CSI Golf Tournament

We wish to thank our sponsors for their participation:

- Hole 1: Northwest Lath and Plaster Trust
- Hole 2: Sanderson Safety Supply Company
- Hole 3: Breedlove McConnell Granning Pease Engineers, Inc.
- Hole 4: Tenant Improvement Services, Inc.
- Hole 5: OTKM Construction Company
- Hole 6: Masonry & Ceramic Tile Institute of Oregon
- Hole 7: National Marketing
- Hole 8: Koch Sachs Whitaker AAnderson, Architects
- Hole 9: Construction Specifications Institute, Portland Chapter
- Hole 10: AIA, Portland Chapter
- Hole 11: Mutual Materials
- Hole 12: Cascade Acoustics, Inc.
- Hole 13: Smithwick Block Company
- Hole 14: Wilson & Dean Construction Co., Inc.
- Hole 15: Masons Supply Co.
- Hole 16: Wanke Cascade Co.
- Hole 17: Merit Wall Systems, Inc.
- Hole 18: ETS Pacific, Inc.




Northwest Region News

Next Meeting

Candidates Statement for Northwest Region Director Position

Listed below are the Candidate Statements of Peter Hamre of the Spokane Chapter, and Les Seeley of the Portland Chapter, who are candidates for Industry/Associate Director. The person selected as new Director will assume office on July 1, 1989.

As an enthusiastic industry member of Spokane Chapter CSI for the past six years, it is an honor for me to be nominated for Northwest Region Director. I am a general contractor in the Inland Empire and CSI has been the focal point of my professional activity involvement. Over the years, I have held several positions at the Chapter level and currently am Past-President, Chairman of the Northwest Region Conference to be hosted by Spokane in September of 1989 and Co-Chairman of the Region Long Range Planning Committee. Through my participation in Leadership Conferences, Region Conferences and National Conventions I have developed a good understanding of our Region's chapters and their needs. I believe strongly in CSI's role in the construction industry and desire to strengthen its technical and educational contributions through increased membership and greater individual involvement. I hope to have the opportunity to serve the Northwest Region as Director.


Peter E. Hamre

Having read the CSI administrative references as it pertains to Region Directors, I understand the principle duties to include the following: assist, encourage, support, promote and, communicate with the chapters, the individual members and non-members within their region. My past involvement within the region and chapter leads me to believe that if the membership elects me to the position, that I could be of service to the region and the institute. As a self employed person I am in a position to attend most meetings and special functions that are pre-planned and have the latitude to re-prioritize existing plans if there is a real need and would be willing to do so. Probably the single most important asset I have to offer is a wife that supports and enjoys being involved with me in business and extra curricular activities such as CSI. With her support and assistance it would be a pleasurable and rewarding experience to serve as your director.

Yours Truly,


Les Seeley

- Continued from Page 1 -

The most crucial issue to be covered will be field application, and applicators of products. How do you find qualified, or pre-qualify applicator? As one specifier said "If I had the choice of the best product and a questionable applicator or a mediocre product with a great applicator, I'd pick the latter every time."



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Industry News

Repairs at Head of Class for Academic Buildings

According to a study conducted by the Association of Physical Plant Administrators (APPA) and the National Association of College and University Business Offices, college campuses are in desperate need of repairs. The preliminary study (an executive summary of the final results was released in October) concluded that \$20 billion is needed just to keep the buildings intact. The survey, devised and analyzed by Coopers & Lybrand, was sent to 750 randomly selected colleges and universities.

The following list outlines the type of educational facility and its needs:

- Research institutions -- \$7.2 billion
- Doctorate-granting institutions -- \$3 billion
- Comprehensive institutions -- \$5.4 billion
- Liberal arts colleges and universities -- \$1.9 billion
- Two-year colleges--\$2.4 billion
- Medical institutions--\$462 million

Of the \$20 billion, \$15 billion is needed to repair academic facilities, including buildings, laboratories, and offices. Dormitories, dining halls, and athletic buildings are in better shape, needing only \$5 billion for repair and renovation.

There is a big gap between what is actually spent in repairs and what is needed to maintain the

buildings. Research institutions spent an average of \$6 million on deferred maintenance in the 1986-87 academic year, but \$18.9 million is needed annually just to maintain buildings already in good condition.

To obtain a copy of the final report contact APPA, 1446 Duke Street, Alexandria, VA 22314-3492. It is \$25 for APPA members, \$50 for non-members.
-- *Facilities Manager,*
Fall 1988 --



Spec-ifically for Fun

A/E Jargon

In his book, *Punitive Damages*, Richard Taylor takes a look at everyday conversation in the workplace. Below is a list of A/E technical terms and their definitions.

Specimen: a group of guys who write specs

Speculate: this is when the specs are finished after the deadline

Respect: to spec again, as in addendum

Aspect: to provide a material exactly as specified; or an old set of specs used as a stadium cushion

Safe Specs: a rare thing now-a-days

— *Construction Specwork,*
Little Rock Chapter,
September 1988 —



Editorial Staff

Linda Bowman, Editor
226-1575

Trasi Hogenhout, Advertising
226-1311

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of the Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/A Architects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon, 97204,
503/223-8231

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Portland Chapter Leaders, 1988-1989

President-Inga Vrla	635-6227
President-Elect- Tom Shea	760-6433
1987-88 President- Curtis Finch	636-9270
Secretary-Jim Hirte	244-0843
Treasurer-Linda Hewitson	624-0865
Executive Director- Margarie Largent	620-6573

Board of Directors

Dick Burgess, Prof. '90	226-2921
Mary Alice Hutchins, Prof. '89	223-2920
John Kehrli, Ind. '89	644-7102
Steve Miller, Ind. '90	225-1273
Arden Newbrook, Prof. '90	222-4470
Paul Wilson, Prof. '89	223-6963

Committee Leaders

Awards-Tom Clucas	234-0281
By-Laws- Paul Wilson, CCS	223-6963
Certification- Ray Totten, CCS	222-1917
Editor-Linda Bowman	226-1575
Education- Dennis Obert, CCS	226-1575
Finance-Betty Bellwood	231-5000
Hospitality-Andy Cleveland	620-1014
Liaison-Dick Burgess	226-2921
Library- Candace Robertson	222-3753
Long Range Planning- Don Eggleston	228-6444
Membership- Lee Kilbourn, FCSI, CCS	224-3860
Nominations- Curtis Finch	636-9270
Products Fair- Arnie Wake	252-1812
Programs-Steve James	288-5195
Publicity-Roy Josi	691-3944
Technical Documents- Bruce Townsend	228-6444

Region Responsibilities

Region Trustee- Jim Davidson	226-3508
Region Publications- Ken Searl, CCS	223-1181

Region Directors

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

James M. Robertson, FCSI, CCS
Robertson/Sherwood/Architects
96 East Broadway, Suite 6
Eugene, Oregon 97401
(503) 342-8077

Institute Responsibilities

Technical Documents Committee- Bob Klas	644-4222
--	----------

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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

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Portland, Oregon 97204

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 6

February, 1989

NEXT MEETING

Wednesday
February 15, 1989

SPEAKER

Panel Discussion of
Below-Grade Waterproofing

TIME

Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST

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

LOCATION

Red Lion Inn, Lloyd Center

PARKING

Plenty of Free Parking

RSVP

Betty Bellwood at 231-5000,
ext. 755, by 10 am February 10th
(when reserving for others,
please give all names)



Keeping Your Building Dry, Below-Grade

Proper application of below-grade water-proofing is crucial to get right the first time! Why? Repair is very costly and difficult, if even possible. To do it right may cost in the range of \$2 per square foot. To repair, can cost in the range of \$50 per square foot.

February's dinner meeting, and seminar the following day, will shed welcome light on how to ensure that below-grade water-proofing is done right during construction.

- Appropriate selection of

materials and their unique applications.

- How to improve your specifications to stay out of trouble.
- Ensuring job site quality during this messiest time of construction.
- Properly preparing the substrate.
- Reliability studies of different waterproofing materials.
- Mil thickness for liquid applied waterproofing systems.

-- Continued on Page 4 --

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Below-Grade Waterproofing Seminar, Page 2
- 1988-89 Programs Schedule, Insert

A Message from the President



President Inga Vrla: *Chapter dues, over due?*

.....

As much as it pains me (famous last words), I'm here to ask you to vote for an increase in Chapter dues. Our dues are \$20 a year and have been since 1971! Not bad for stability... not good for progress. In 1985 the Northwest Region voted to raise the Chapter assessments to \$5 per member*, leaving us only \$15 to cover Chapter expenses.

An approximate cost breakdown follows:

- Our award winning newsletter is published at a cost of about \$6,500 for 10 issues or \$23.47. We sell advertising inserts to help offset this cost. (We anticipate \$1,000 annually and usually fall short). However, at \$1,000 the cost is reduced by only \$3.61 per member.
- We always hope the cost our monthly dinners will equal income. This does not always happen. "No Shows" are costly, i.e., two no-shows per month at \$15 x 10 months = \$300 or \$1.08 per member/per year. We have incidental program expenses as well. The

cost of speakers is budgeted at \$1,000, another \$3.61 per member.

- Office costs and similar expenses, i.e., phone, secretarial, insurance and postage costs about \$6.50 per member.
- We send two people to National Conventions (\$1,850 in 1988), three people to Region Conferences (\$3,445 in 1988).
- The Membership Roster is budgeted at \$1,000 (\$3.61 per member). Liaison and other committee expenses come to \$1,885 (\$6.81 per member). Officers expenses cost \$270 or \$.97 per member.
- Our Products Fair in 1988 showed income of \$48,140 and expenses of \$37,006, netting the Portland Chapter \$11,134 or \$34.28 per member. We appear to be relying on our annual Products Fair to fund our Chapter activities. I'm not taking away any glory of our Products Fair chairpeople when I say they have done wonderfully well! However, fewer and fewer people have the time it takes to "pull off" a successful show! I believe our show can be scaled down and whatever is earned be earmarked for education of our membership. As a group we are dedicated to the idea of producing intelligent, coherent specifications... to further our knowledge of construction specifications.

Question: *The Predicator's* mailing list contains almost 900 names (there are 277 Chapter members). We feel this is an excellent vehicle for getting the CSI story out and would like to continue to do so. Would the members consider subsidizing this

newsletter for \$5 a year?

Question: Would you write and let us know if you have better ideas? Would you vote for an increase in dues of \$10 a year?

We encourage your input!

* Figures are based on 12/31/88 membership of 277.

Below-Grade Waterproofing Seminar

For those persons wanting additional information not presented Wednesday night, the discussion will continue the next day, Thursday, February 16th at the Lloyd Center Red Lion, from 11:30 am - 2 pm. Cost of the seminar will be \$15 for members and \$20 for non-members.

If you are interested in attending this seminar, please contact Dennis Obert at 226-1575 before 10 am, February 14th.

Attention:

Industry members with below-grade waterproofing products are invited to display products and literature on table tops at the February dinner meeting and seminar the following day.

Cost is \$25. *Rental of a table top will enable one person to attend the seminar at no charge.* Call Margie Largent at 620-6573 to reserve a table.

Board Report

Minutes of November 1, 1988 Board of Directors Meeting

Present: Inga Vrla, Tom Shea, Curtis Finch, Paul Wilson, Mary Alice Hutchins, John Kehrli.

Others Present: Linda Bowman, Roy Josi, Lee Kilbourn, Margie Largent.

Absent: Jim Peterson, Jim Hirte, Dick Burgess, Steve Miller, Arden Newbrook.

The meeting was called to order at 12:10 pm without a quorum of Board members present.

Minutes of the October 4, 1988 meeting read and discussed.

Treasurer Report: No report.

Technical Documents: Paul Wilson reported that the Committee met October 20, 1988. Members present were John Lape, Bruce Townsend, Bob Easton, Linda Bowles, Lee Kilbourn, Bob Klas (Institute TDC), and Margie Largent. The "on-grade" monograph has been dropped. The Committee discussed direction of committee work including working with the City of Portland Building Department.

It was decided the Committee would meet on the third Tuesday of each month at the AIA offices.

By-Laws: The Board members present recommended that an in depth study of the Chapter By-Laws be made. Particular areas of interest include dues, membership classification, and the problem of having enough Board members present at monthly meetings (quorum to conduct chapter business). Paul Wilson and the Committee will begin the work soon.

Archives: All Chapter materials have been moved out of the Madison Street location. Those helping included Inga Vrla, Margie Largent, Bob Thompson, with assistance from Jerry Zonrosso.

Education: Mary Alice Hutchins reported for Dennis Obert. Scheduled seminars are included with Publicity Committee Report. Seminars scheduled in conjunction with the Products Fair include "Selling to Design Professionals" by Dave Thomas, "How to Prepare a Product Manual", and "What Does a Spec Writer Need."

Programs: The years' scheduled programs are listed in the October issue of The Predicator.

Awards: The Chapter is applying for two Institute Awards and assistance is needed.

Library: Construction Library Workshop scheduled for November 2, 1988. There has been discussion of having one workshop each month with CSI being the host in December or January.

Certification: No report.

Publicity: A sample letter to be sent to potential Industry members was presented by Chairman Roy Josi. The Board members present commended the committee for an excellent presentation.

The Telephone committee was asked that when contacting members about the upcoming meetings that they offer to make reservations for the member contacted.

There was continuing discussion about the problem of people who make reservations but do not show up for the meetings. The Chapter has to pay for all dinner reservations made.

Long Range Planning: No report.

The Predicator: No report.

Hospitality: John Kehrli reported that the "Badge Box" is now stored at the Westin-Benson Hotel.

Membership: Lee Kilbourn presented the Institute goal of 20,000 members. Also discussed were student membership in our chapter and involvement with the Oregon School of Design.

Products Fair: May 4, 1989 is the date tentatively selected and the location will be the Lloyd Center Red Lion. Curtis Finch volunteered to pursue a new and better design for the CSI booth.

Finance/Audit: No report, see Old Business.

Nominations: Les Seeley has been nominated for the position of Region Director.

Old Business: *Financial Transactions:* The Audit Committee found the By-Laws and Administrative References very clear and adequate and no further guidelines are required.

New Business: A letter was received from the Secretary of State's Office, Corporate Division, advising us that our CSI Chapter is classified as a business operation. Those Board members present agreed that the matter should be forwarded to the Institute offices and have the Institute attorneys handle it.

A motion was made by Curtis Finch and seconded by Paul Wilson that the Board of Directors accept the resignation of Treasurer Jim Peterson and that the President appoint a replacement. There was not a quorum present so the motion was tabled until the next meeting.

The meeting was adjourned at 1:26 p.m.

-- Respectfully submitted,

Jim Hirte, PE, Secretary --



BS by KS

Basic Specs by Ken Searl

In writing specifications one sees many styles and methods. It seems most spec writers are trying to use the specification arrangement as recommended by CSI. This has become more universal as time goes on. One item that continues to carry on is the terminology many specifiers use not recommended by CSI. This is the use of phrases and words such as the "Contractor shall", "shall be", "will be" and other similar phrases.

Now are these words necessary? In the first place I feel the words "contractor" and "subcontractor" should not be used. Contract Documents are written to the contractor so why keep saying it. Also, if we use the word subcontractor this can become confusing, plus the fact that we do not write contracts to both the contractor and subcontractor.

I will note many specifiers do not use the words mentioned above but we still have one heck of a time keeping our consultants from submitting their specification sections full of such phrases. Some of them really put up a fight. However, they are working for us and not the other way around.

In a local Salem newspaper an article covered the delay in opening a new jail facility east of Salem and it appears one of the items holding up the project was too much moisture under the floor slabs to permit installing vinyl floor covering. It also stated that no vapor barrier was provided. The owners claimed the contractor should have been heating the

building sooner so the floor could dry out.

It appears to me from previous experience that if there is no vapor barrier in place, putting heat in the building may dry the building out sooner, but the fact remains without a vapor retarder in place there will always be some moisture emanating from the subsurface and can cause floor covering to blister and become loose. In time it may stabilize.

Some of you are probably aware by now of how to keep from getting into this situation. When designing and specifying a concrete floor slab-on-grade one must take several precautions. Hire an engineer specializing in soil conditions to take soil boring tests, write a report and make recommendations. If the report calls for drain tile, be sure to specify it. In most cases a vapor retarder is a must. Be sure the vapor retarder is adequate. Many specs have required a 6 mil polyethylene sheet which in my opinion is not quite adequate. Call for "Moistop" or similar product and be sure it is spaced correctly with adequate lap or proper adhesion. Do not allow screed pin penetrations and seal required penetrations such as electrical and plumbing piping.

One last item, do not place vapor retarder over sharp gravel or other bases that will puncture vapor retarder. Place on a sand or smooth base only.



Ken Searl is a Spec Writer for WEGroup Architects in the Portland Area

Next Meeting

-- Continued from Page 1 --

- Proper testing procedures.
 - Finding the leaks in different waterproofing systems.
 - Proper job site and weather conditions for application.
- The panel of speakers at both the dinner meeting and the seminar will be:
- Dennis Plaut, Sales Manager, 3M Contractor Products, San Francisco - Liquid Applied Waterproofing Products.
 - Bob Olsen, Regional Sales Manager, American Colloid, San Francisco - Expanding Clay Panels.
 - Steve James, Representative for Oregon and SW Washington, W.R. Grace Co., Construction Products Division - Sheet Applied Waterproofing Systems.
- We hope you'll join us for this informative discussion. 

Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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, Lloyd Ctr. Red-Lion

Puget Sound (Seattle, WA)
2nd Thursday of month
5:30 pm, Meany Tower Hotel

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, BJ's Restaurant



1988-89 CSI Programs

Dinner Meetings

<u>Date & Time</u>	<u>Location</u>	<u>Topic</u>
Tues, 09/13/88 5:30 p.m.	Westin Benson	" <u>Focus on Casework</u> "
Tues, 10/11/88 5:30 p.m.	Westin Benson	" <u>Joint Sealers</u> "
Tues, 11/08/88 5:30 p.m.	Westin Benson	" <u>Fire Retardant-Treated Wood & Wood Preservatives</u> "
Tues, 12/13/88 5:30 p.m.	Red Lion Lloyd Center	" <u>When West Meets East</u> " OMSI's Move, Vision, and New Direction
Tues, 01/10/89 5:30 p.m.	Westin Benson	<u>Above-Grade Waterproofing</u>
Wed, 02/15/89 5:30 p.m.	Red Lion Lloyd Center	<u>Below-Grade Waterproofing</u>
Tues, 03/14/89 5:30 p.m.	Westin Benson	<u>Firestopping</u>
Tues 04/11/89 5:30 p.m.	Westin Benson	<u>Exterior Insulation Systems</u>
Tues, 05/09/89 5:30 p.m.	Westin Benson	<u>Window-Wall Systems</u>
Tues, 06/13/89 5:30 p.m.	Westin Benson	Awards Night With Region Director Present

Seminars

<u>Date & Time</u>	<u>Location</u>	<u>Topic</u>
Tues, 10/11/88 3:30-5:30 p.m.	Westin Benson	Panel on " <u>Joint Sealers</u> "
Wed, 01/11/89 Noon-2:00 p.m.	Red Lion Lloyd Center	Panel on <u>Above-Grade Waterproofing</u>
Thurs, 02/16/89 11:30 a.m.- 2:00 p.m.	Red Lion Lloyd Center	Panel on <u>Below-Grade Waterproofing</u>
Tues, 03/14/87 3:00-5:30 p.m.	Westin Benson	Panel on <u>Firestopping</u>
Wed, 04/12/89 11:30 a.m.- 2:00 p.m.	Red Lion Lloyd Center	Panel on <u>Exterior Insulation Systems</u>
Wed, 05/10/89 11:30 a.m.- 2:00 p.m.	Red Lion Lloyd Center	Panel on <u>Window- Wall System</u>
Wed, 05/03/89 Time TBD	TBD	<u>How to Sell to Design Professionals</u> Dave Thomas Dennis Obert (for Products Fair exhibitors & other interested industry people)

Products Fair

<u>Date & Time</u>	<u>Location</u>
Thurs, 05/04/89	Red Lion Lloyd Center

January Dinner Meeting

Stopping Rainwater Penetration



Table Top Displays: Dan Lucachick explaining Neoguard



There are several options when considering how to stop water penetration in masonry buildings. The following is a summary of the January Panel Discussion on Above-Grade Waterproofing:

Clear Sealers - Pat Merriman, Mason's Supply

Clear sealers can adhere to the substrate through a chemical or mechanical bond. When the sealer adheres to the substrate through a chemical bond it is called a "penetrating sealer" and waterproofs because its small molecular size lines the pores of the masonry. The bonding occurs when the sealer is polymerized by chemically combining with the humidity in the air and/or substrate and the alkalinity of the masonry to form a silicone.

When the bond is mechanical it occurs by pore filling and waterproofs by curing when the carrier flashes off.

The advantage of the clear sealers is they maintain the natural look of the substrate.

The disadvantage of these sealers is they are crystalline in nature and have no elastomeric capabilities, thus when the substrate cracks so does the sealer. Another disadvantage of the surface sealer is it can trap moisture causing a haze, which is not true of the penetrating water repellents.

Elastomeric Coatings - Les Seeley, DEL Distributing

The elastomeric coatings adhere to the substrate through a mechanical bond thus the surface preparation is very important.

There are two different kinds of elastomeric products. One is internally plasticized and the other is externally plasticized. The advantages of the elastomeric coatings are, they can tolerate a certain amount of surface movement, i.e., cracking, they are opaque and can give color to the substrate and a uniform appearance, and they are breathable and will allow water vapor to escape from the substrate.

Quality Control Items:

1. Ask for accredited independent lab tests.
2. Verify track record of the coating manufacturer.
3. Ask for a field report from distributor.
4. Ask for manufacturers guarantee and verify what it covers.

Cementitious Coatings - Mick Ellis, Salmon Bay Sand & Gravel
adhesion to the substrate is through a mechanical bond so surface preparation and the use of a non-film forming release agent

are very important. These coatings are very abrasion resistant and probably have a higher compressive strength than the masonry it is placed on.

The coating is a heavy enough consistency that it will fill rock pockets, bee holes and other minor surface imperfections. Cementitious coatings can be applied at 40 F. and in rainy weather.

Concrete Masonry Units - Tom Hammer, Smithwick Block Co.

The concrete block industry has produced a CMU with waterproofing as an integral part of it, but it has not proven to be 100% effective. Caution should be taken when designing with block.

The heavy weight block is the best when trying to get a waterproof block, but are not well received by the masons because of their weight.

Options to consider are:

1. Coatings
2. Sealers
3. Full Grout

Once the block has been picked these are some things to consider:

1. Bond Strength: Mortar to unit
2. Workmanship: Full mortar joints
3. Flashing, control joints, caulking and other details

— By Bruce Townsend —



Don't forget, the next meeting will be on Wednesday, instead of the usual 2nd Tuesday of the Month. Bring your valentine!!

Northwest Region News

PROSPEC 89 - Architectural Products Show Features Four Complimentary Workshops for Design Professionals


Four workshops of special interest will be offered at no cost to design professionals attending PROSPEC 89 on February 9th at the Westin Hotel in Seattle. PROSPEC 89 is the second annual architectural products show to be sponsored by the Puget Sound Chapter of the Construction Specifications Institute.

Two morning workshops, conducted simultaneously from 9-11 am precede the opening of the exhibits. Workshop I focuses on the trends and changes in the 1988 Uniform Building Code. Jerry Barbera, P.E., regional manager for the Northwest office of ICBO, and Ron Perkerwicz, president of the Washington State Building Officials Association, will address plan checking, field inspection, code interpretation, inspection procedures and a common sense approach to the codes and standards. Workshop II, entitled "Getting Paid for Professional Services," addresses preventative management skills and how to collect after completion. Presenting the second workshop are Larry Linville, Esq., Keller-Rohrback, and Philip Croessmann, Esq., Bassett & Morrison.

Two afternoon workshops have also been added to the schedule. At 2 pm Paul Rohrer, Paul Rohrer and Company, management consultant to project managers will present Workshop III, "Automation and Project Management." Rohrer will discuss features and functions of a project management

system and criteria for selecting such a system. Workshop IV, "The Big Business of Color," will be presented at 4 pm by Bette Lovgren, IBD, ASID, president of Lovgren Design Associates. Lovgren will discuss the power and character of color, color in the marketing strategy, and a forecast for the 90's. The forecast will speak to emerging lifestyles and workstyles, new colors and color combination, surface treatments and textures.

PROSPEC 89 will feature manufacturers and service representatives from Los Angeles to British Columbia. Over 100 exhibits of the newest and best in architectural products, design software, and services will be open to design professionals. Buffet lunch and buffet dinner will be served in the exhibition area.

For further information contact: Relta Gray/Ed Vernon, (206) 382-3393 or (206) 624-4070. 

Cladding Systems from an Engineering Standpoint

The Construction Library Workshop Series will resume Wednesday, February 22, 1989 from 3:30-5 pm. Grant Davis, P.E., managing principal of KPFF will be the guest speaker. His discussion will address glass, glazing, stone and masonry systems (both prefabricated and veneer.) The workshop will be held at the auditorium of the Multnomah County Library, 801 SW 10th Avenue. Pre-registration is encouraged by calling Michelle McKenna at 292-2348.

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Convention/ Exhibit
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in New Orleans**

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and Strut Your
Stuff!**



Archives

Please do not throw away old copies of *The Predicator* or other artifacts of historic value. Recycle them through your CSI office to help fill a gap in our Chapter history. For more information, please contact historian, Margie Largent at 620-6573.

•••••
• Remember, we now have as
• a resource a complete
• construction library at the
• main branch of the
• Multnomah County Library.
• There is a catalog available
• for your perusal at the CSI/
• AIA office.
•••••

Kilbourn's Commentaries

Responding to Statements on the Northwest Region CSI Substitution Request Form?

One item seems to have produced some concern. It reads

2. "The undersigned will pay for changes to the building design, including engineering design, detailing and construction costs caused by the requested substitution.

As I recall, the intent was to transfer the obligation for revisions to the documents due to the requested substitution from the design professional to the requestor. We did not intend this to be an occasion for the design professional to respond to errors, inconsistencies or omissions in the Contract Documents. We expected this to be used in conjunction with a standard form of General Conditions (such as A201 or 1910-8) and an appropriate Division One section.

So, if a manufacturer wants to exclude payment (or more likely, an offset against amounts owing by the Contractor), language such as the following could be presented on an attachment:

"Changes to the design are not anticipated."

For example, this concern was raised to me by a roofing materials manufacturer. I explained that the roof edge details in the contract documents were usually based on those found in the NRCA Roofing


and Waterproofing Manual. The roofing materials manufacturer may have other details or additional details which would be recommended for the proposed project. The extent to which revised details would need to be prepared is difficult to predict - but should the design professional do them as a freebie?

Symbols Subcommittee:

The story in the January 1989 *CSI Newsdigest* closes with the statement "The final product is destined to become, like MASTERFORMAT and the *Manual of Practice*, a construction industry standard."

Editorial puffery, perhaps, but out of touch with reality.

Standards, I believe, are established by consensus. Consensus should be established before publication through distribution of drafts to interested parties for comment. Comments should be reviewed, response rendered to the commentators, and opportunity to rebut negative responses allowed for before declaring "Consensus is achieved".

In the case of the 1988 Edition of MASTERFORMAT, it is not now, and it is not likely to become, a construction industry standard. The Subcommittee did the best work they could within the (artificially imposed) deadline. The result would have been superior with another review cycle. 

Editorial Staff

Linda Bowman, Editor
226-1575

Traci Hogenhout, Advertising
226-1311

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/A Architects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon, 97204,
503/223-8231

VOTE

For your Institute Officers and Directors. Read your ballot material when it arrives in February. The deadline for returning ballots will be early March.

Portland Chapter Leaders, 1988-1989

President-Inga Vrla	635-6227
President-Elect- Tom Shea	760-6433
1987-88 President- Curtis Finch	636-9270
Secretary-Jim Hirte	244-0843
Treasurer-Linda Hewitson	624-0865
Executive Director- Margie Largent	620-6573

Board of Directors

Dick Burgess, Prof. '90	226-2921
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Nominations- Curtis Finch	636-9270
Products Fair- Arnie Wake	252-1812
Programs-Steve James	288-5195
Publicity-Roy Josi	691-3944
Technical Documents- John Lape	243-2837

Region Responsibilities

Region Trustee- Jim Davidson	226-3508
Region Publications- Ken Searl, CCS	223-1181

Region Directors

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

James M. Robertson, FCSI, CCS
Robertson/Sherwood/Architects
96 East Broadway, Suite 6
Eugene, Oregon 97401
(503) 342-8077

Institute Responsibilities

Technical Documents Committee- Bob Klas	644-4222
--	----------

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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 7

March, 1989

NEXT MEETING

Tuesday
March 14, 1989

SPEAKER
Panel Discussion of
Firestopping

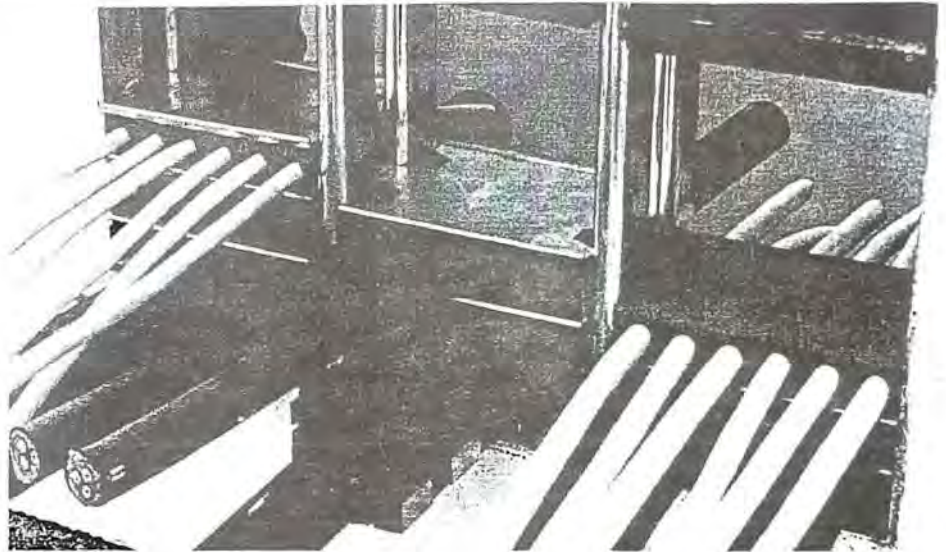
TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

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

LOCATION
Westin-Benson Hotel
SW Broadway & Stark

PARKING
Validated Parking \$1 under
Bank of California Building

RSVP
Betty Bellwood at 231-5000,
ext. 755, by 10 am March 10th



Firestopping

A confusing subject for specifiers and industry people alike is firestopping.

Firestopping, if specified, was included in other sections until 1983 when it was added to Masterformat as Section 07270. But, even now the US is behind other areas of the world in addressing this subject.

Fireproofing is often very difficult to specify and bid. Architects are not used to detailing

penetrations and bidders can't know in advance how big the penetrations will be. Costs of firestopping vary greatly depending on the size of the penetrations, and the subcontractor and how careful the workers are.

The consequences of poor installation or of not using fireproofing at all can be diastrophic. For example, a simple fire in the Morgan Building this past summer in downtown Portland, should have been extinguished by just a

-- Continued on Page 2--

PORTLAND CHAPTER

CSI

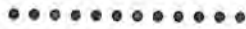
WHAT'S INSIDE

- Construction Toastmasters, Page 5
- Federal Court Say's "Or Equal" Up to Specifying Source, Page 7

A Message from the President



President, Inga Vrla



The NW Region Leadership Conference is planned for April 22-23 in Seattle, Washington.


The Leadership Conference occurs once a year. Portland and Seattle alternate as the host chapter. The Northwest Region consists of six chapters, Cook Inlet (Anchorage), Puget Sound (Seattle), Spokane, Idaho (Boise), Willamette Valley (Eugene) and Portland.

These conferences have several purposes. The primary reason is to acquaint potential leaders with the activities of CSI and learn how to meet the recommended requirements of the various positions to be filled, i.e., committee chairs, elected positions, etc.

Secondly, this is a time for the Coordinating Council to meet and discuss Region business. We can expect to discuss the Region budget (this time) among other things.

Last, but certainly not least is the opportunity to renew old friendships and share ideas with others in our industry. The Leadership Conference helps cement the relationships in the Chapter,

between Chapters and to connect with the Region. Definitely a worthwhile event. The cost is minimal and the benefits derived are without a doubt well worth the effort expended.

So, I've said this before I know... EVERY MEMBER is invited... incoming officers, board members and committee chairs are especially urged to attend. This is a for profit only (yours) EVENT! 

Adopt OMSI

OMSI is asking CSI members to help canvas its membership for donations to support programs and services.

Each year, OMSI serves more than 600,000 visitors, in addition to acting as a resource center for schools in three states. They earn most of their money through admissions and fundraising projects. They have no local or state tax base.

Every year, OMSI has a phonathon to ask members to support them with a personal donation. On four evenings, spread over a two-week period, March 6th, 7th, 13th and 14th, volunteers gather to phone members. The evenings are part social, part work. There will be food and prizes, bells and whistles, and a festive atmosphere. They will train, provide scripts, and those you call are OMSI supporters who know that you plan to call and why you are calling. If you are interested in getting a group of CSI members to help, please call Susan White, OMSI Community Resources Coordinator at 222-2828. 

Next Meeting


-- Continued from Page 1 --

few firemen in a short time, but the fire was in the walls and it took 84 firemen on and off for several days to put out the fire and even three weeks later, fire was found in walls without firestopping.

The panel of speakers this month, for the pre-dinner seminar and the dinner meeting will consist of representatives from the Portland Fire Department and Bureau of Buildings, a property manager and building owner, and two representatives of Firestopping products. The topics covered will be:

- ✓ Codes, inspections and enforcements,
- ✓ specifications,
- ✓ responsibilities,
- ✓ technology and products on the market,
- ✓ design requirements and limitations,
- ✓ application, preparation and conditions, and
- ✓ liabilities and warranties.

The cost of the Pre-Dinner Seminar will be \$15 for members and \$20 for non-members and will be held prior to the regular dinner meeting at the Westin-Benson Hotel from 3 - 5:30 pm.

For Pre-Dinner Seminar reservations or for more information, please call Dennis Obert at 226-1575; for Dinner reservations, call Betty Bellwood at 231-5000, ext. 755. 

BS by KS

Basic Specs by Ken Searl

In the mail the other day I received a newsletter entitled "Construction Pipeline" which is published by a firm named HISCO, The Building Information Company of Vancouver, Washington.

They claim to be a low-tech publication with high-grade information. Their publication concentrates on private negotiated projects in the area and private construction projects in the planning stages.

Joe Woods is managing editor and Roger Stark is publisher. Together they say they have identified a need and filled in the gaps of local construction industry reporting. They also state they are not a plan center. They must be doing something right because they have an office in Portland and one in Seattle and they are opening an office in Denver in February. Also, they plan to open offices in Sacramento and Salt Lake City. For you folks that are interested, their phone number is 206/695-3178 in Vancouver and 503/239-1510 from Portland.

For those of you that haven't heard, The Daily Journal of Commerce in Portland now has a plan center simply called DJC Plan Center.

As some of you good folks may know, I have never liked using lightweight reinforcing wire mesh and our firm usually does not specify this material. If we do need reinforcing we specify rebars or heavy weight mesh such as 1/4 inch by 1/4 inch. Recently, I noticed on one of our projects that has a lot of topping slabs, our

structural engineer had shown 6-6 by 6-6 wire mesh in topping slabs. When I asked him why he faxed over ICBO requirements which called for this type of mesh.

In general this type of reinforcing is to be placed at approximately the center point of the slab. The trouble is, being so thin and flimsy there is no way to place chairs or concrete blocks under it to keep it at the preferred location. So what happens? The concrete finishers pull it up with a hook or a notch on their shovel. This sounds like it might work, but, by the time they get done tromping and frolicking in the freshly poured concrete it ends up on the bottom. I have yet to witness a concrete slab that had wire mesh that, when it was torn up and replaced, didn't show most of the mesh at the bottom.

The other night we were watching *This Old House* on PBS and they poured an exposed aggregate sidewalk. I told the wife to keep an eye on the proceedings and sure enough the concrete finishers pulled up the mesh and then promptly walked lengthwise down the sidewalk. It was plain to see all or most of the mesh was shoved to the bottom of the forms.

Now, if you and I know that lightweight wire mesh does not perform the way it was intended, why doesn't ICBO know, or the architectural schools who continue to teach this method?



Ken Searl is a Spec Writer for WEGroup Architects in the Portland Area

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for details at 226-1311

Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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

Puget Sound (Seattle, WA)
2nd Thursday of month
5:30 pm, Meany Tower

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR)
Last Thursday of month
5:30 pm, BJ's Restaurant

Board Report

Minutes of January 3, 1989 Board of Directors Meeting

Present: Inga Vrla, Margie Largent, Jim Hirte, Curtis Finch, Dick Burgess, Mary Alice Hutchins, John Kehrl, Steve Miller, Arden Newbrook, Paul Wilson.

Absent: Tom Shea and Linda Hewitson.

Others Present: Lee Kilbourn, Ken Searl, Linda Bowman and Dennis Obert.

The meeting was called to order at 12:06 pm. The minutes of the November 1, 1988 meeting were read and approved. The minutes of the December 6, 1988 meeting were read, corrected and approved.

Treasurer's Report: No report.

Technical Documents: No report.

By-Laws: Paul Wilson presented a draft of the proposed changes to the By-Laws:

Item No. 1: Revisions to make-up a quorum at Board of Director's Meetings.

Present By-Laws:

"SECTION 2 - BOARD MEMBERSHIP

The Board shall consist of eleven members: President, President-Elect, Secretary, Treasurer, four Professional Director Members, two Industry or Associate Director Members, and the Immediate Past President. The majority of the Chapter Board shall be Professional members.

SECTION 3 VOTING

All members of the Board are eligible to vote on Chapter business except the Immediate Past President. A majority of the Board, of which said majority are Professional Members, shall constitute a quorum".

Proposed Change:

"SECTION 2 - BOARD MEMBERSHIP

The Board shall consist of eleven members: President, President-Elect, Secretary, Treasurer, four Professional Director Members, two Industry or Associate Director Members, and the Immediate Past President.

SECTION 3 - VOTING

All members of the Board are eligible to vote on Chapter business except the Immediate Past President. A Majority of the Board shall constitute a quorum".

Jim Hirte moved that the Board present the proposed change to the membership for approval as presented. Paul Wilson seconded the motion and it was passed by voice vote.

Item No. 2: Proposed addition to the By-Laws to create the position of Chapter Executive.

Change as developed by the By-Laws Committee:

"SECTION 4 - CHAPTER EXECUTIVE

The Board may employ a chapter Executive to assist in management and direction, and to monitor the day to day business of the Chapter.

Specific duties and compensation there shall be negotiated annually".

Considerable discussion ensued centered on the definition of the duties of the office and concern that it was proposed that compensation be considered with the office.

Arden Newbrook moved that discussion of the subject be tabled to allow further investigation into the possible liabilities to the Chapter for a paid position. Steve Miller seconded the motion to table. After further discussion the motion and second were withdrawn to allow revisions in the wording.

Paul Wilson then moved that the words "and compensation" be deleted in the By-Laws proposal. The motion was seconded by Inga Vrla and the motion passed by voice vote.

Paul Wilson then moved that proposed By-Laws be revised to read:

"The Board may appoint a Chapter Executive to promote Chapter continuity, to assist in the management and direction of the Chapter, and to monitor the day to day business of the Chapter".

Arden Newbrook seconded the motion. It was passed by voice vote.

Steve Miller moved that the Board present the proposed By-Laws to the membership for approval. Paul Wilson seconded the motion and it was passed by voice vote.

Item No. 3: Proposed changes in the By-Laws concerning dues.

-- Continued on Page 5 --

Board Report

Present By-Law:

"SECTION 2 - CHAPTER DUES

The annual Chapter Dues, payable in advance yearly in accordance with the Institute's requirements, except for six-months' trial membership, shall be as follows: Professional Members \$20; Industry Members \$20; Associate Members \$20; Intermediate Members \$10; Student Members \$5. Members Emeritus, Retired Members and Honorary Members shall not be subject to dues."

Considerable discussion ensued with the primary concern that dues of this magnitude would cause a drop in membership and make it difficult to recruit new members. It was decided to return the proposed change to the By-Laws Committee for further study and recommendations.

Membership: Next meeting will be January 10, 1989, at ZGF. Current Chapter membership stands at approximately 280 members.

The Predicator: It was suggested that the Chapter look into selling subscriptions to the newsletter. Linda Bowman suggested that the Board review the distribution of the Region Newsletter, and asked for clarification of who's responsibility it was to pay the postage if the Region newsletter missed the Chapter newsletter's deadline. Because of lack of time no discussion was held.

The meeting was adjourned at 1:15 pm.

— Respectively submitted,

Jim Hirte, PE, CSI
Secretary —



Chapter News

Construction Toastmasters Club


The Construction Library Committee is planning the formation of a Construction Toastmasters Club.

The Construction Toastmasters Club's purpose is to provide opportunities for people active in the supervision and design of construction projects to further training for their careers. When developing programs, the club officers will work closely with the education and professional development committees of AGC/AIA/CECO/CSI.

The first formation meeting

will be at the Multnomah County Library, 801 SW 10th Avenue, Monday, March 27, 1989, 7:00 - 8:45 p.m. Further meetings are planned for each Monday in April and May, all at the same time and place.

Toastmasters International is recognized as an excellent training program to develop leadership and communication skills. As a member of the Construction Library Committee, I would like to urge each association to develop an action plan that will make this Construction Toastmasters Club a productive success in our community.

For more information, contact John Brockamp, at 655-9151. 

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at the

CSI Convention/Exhibit

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Commentaries

Qualifications for Specification Writer

A good spec writer obviously needs a solid basis in construction technology and must be able to write clearly and accurately. In addition, a truly successful specifier needs to be exceptionally well organized. Advanced training in psychology is required to help manage the Project Architect, as is a high level of ESP to read the Designer's mind and absolute self-motivation; because he or she will be the most unappreciated member of the construction documents team.

In fact, some Specifiers come to feel they are treated like the ill-favored prior progeny of a second, or alter spouse; hearing the clear and distinct coloration of a previous illicit affiliation. (For those not fluent in specification's language, that's "red-headed step-children".)

Spec writing is a unique profession requiring the practitioner to produce a complete document before receiving the design information. Some Project Architects release design decisions strictly on a need-to-know basis and the Specifier has apparently never received the proper security clearance.

One of the specifier's toughest jobs is not covering all the waterproofing conditions - its convincing the Project Architect that he does need to know that the Owner has added a basement!

Beyond tricking the Project Architect into revealing informa-



tion and predicting what materials the Designer is going to select, the Specifier frequently must beg, threaten and lie to make the Project Architect budget enough hours to produce a creditable document. No one else believes specifications should get a significant percentage of the working drawings budget and typically 3 to 4 percent is allocated to the non-assertive Spec writer. One of the worst mistakes a new spec writer can make is to work unreported hours at night to miraculously produce a specification within this spartan budget. For the Project Architect does not believe in miracles - he will merely have reinforced his belief that it's no big deal to "pull something together" for a spec. It is the Specifier's prime duty to convince, coerce or con the Project Architect into enough hours.

If you enjoy the challenge of the "steal thy acquisition" of guarded information, have nerves of steel and can work under a schedule, timed to the second; if you can smile calmly as an outsider demolishes your plans for the day, are willing to do whatever is necessary to finish the job cleanly and don't mind that no one else will ever know what you've accomplished - you may have a future as a Spec Writer. Or as an international jewel-thief.

-- By **Kathy A. Atcher, CCS**
NCR News, Winter 1988 --

I'm A New Member

By *Anonymous*

I see you at the meetings,
But you never say "Hello."
You're busy all the time you are
there, with those you already
know,
I sit amongst the people,
Yet I'm a lonesome guy.
The new members are as es-
tranged as I,
and the old timers pass me by.
But darn it, you people asked me
in, and you talked of friendship.
You could just step across the
room,
But you never make the trip.
Why don't you nod and say
"Hello" or stop to shake my hand,
then go and sit among your
friends? Now, that I'd understand,
I'll be at the next meeting,
Perhaps a nice evening to spend.
Do you think you could introduce
yourself?
I do want to be your friend. ❖

Attention:

Industry members with Firestopping products are invited to display products and literature on table tops at the March dinner meeting and Seminar prior to the meeting.

Cost is \$25. *Rental of a table top will enable one person to attend the seminar at no charge.* Call Margie Largent at 620-6573 to reserve a table.

Industry News

Federal Court Says "Or Equal" Up to Specifying Source

Affirming a decision handed down by the US District Court of Massachusetts, the Federal 1st Circuit Court, in the case of Whitten Corp. vs Paddock, Inc., was backed up by the US Supreme Court which several weeks ago refused to hear further appeals. The decision is unique in that it defines the specifying party's clear authority at the federal level where previous decisions have been at lower court levels.

Four major judgments regarding specifications come from the landmark decision.

1) The court ruled that proprietary specifications are not a violation of antitrust laws. Further, the court stated that trained professionals — specifiers — make informed judgments on products which they feel best serves their client's needs. Technically, few brands of materials or equipment are exactly alike, and if the specifier wants to limit the specifications to one source, he has the responsibility to do so and to enforce it.

2) The court ruled that other suppliers or manufacturers can qualify as "Or Equal" only when the specifier chooses to waive specifications or permit those

suppliers or manufacturers to bid. It clearly stated that the specifying source is charged with the responsibility and judgement for determining whether a proposed substitution is an "Or Equal." Further, where "or equal" is not sated in the specifications, it is still the specifying source's decision as to what products do or do not qualify as "Or Equal."

3) The court stated that the specifier "...may waive specifications in order to obtain a more desirable product for the client." The implication is again that only the specifier (from start to finish of the construction process) can ultimately decide that another desirable product is available in lieu of the product originally specified in the client's best interest.

4) The court concluded "the burden is on the supplier or manufacturer who has not been specified to convince the specifier that their product is equal for the purpose of a particular project."

This is probably one of the most powerful court judgments in construction law history in that the judgments establish the specifier's legal brand selection prerogatives and authority. It should also merit very important consideration in every manufacturer's future marketing strategies.

-- Thanks to Nashville's SPECIFACTS --



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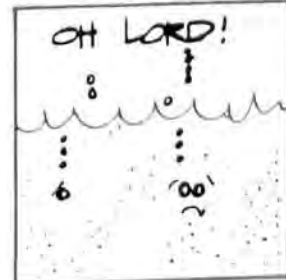
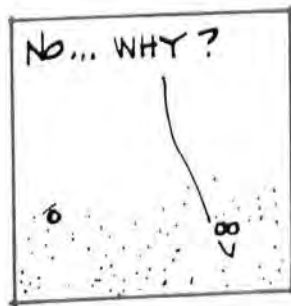
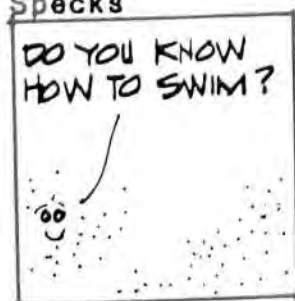
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Specks



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Technical Documents- John Lape	243-2837

Region Responsibilities

Region Trustee- Jim Davidson	226-3508
Region Publications- Ken Searl, CCS	223-1181

Region Directors

Richard Gira NW Lath & Plaster Trust 4621 SW Kelly Portland, Oregon 97201 (503) 224-8226
James M. Robertson, FCSI, CCS Robertson/Sherwood/Architects 96 East Broadway, Suite 6 Eugene, Oregon 97401 (503) 342-8077

Institute Responsibilities

Technical Documents Committee- Bob Klas	644-4222
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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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

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Portland, Oregon 97204

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The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 8

April, 1989



Past Exhibitors: Don Walton of Modernfold Northwest and Frank Barnes of Interior Technologies

Products Fair '89

The latest in commercial building products and services are set to go on display May 4, 1989 at the 15th annual CSI Products Fair. Interest in the Fair is very high this year, both from companies who want to exhibit their products and architects and construction professionals who want to see what's new.

Products Fair '89 is expected to draw over 1000 architects, engineers, interior designers, building owners, spec writers and contractors who come to see some 100 booths featuring everything from concrete and roofing materials to ceramic tile and light fixtures.

The all-day show runs from Noon to 7 pm at the Lloyd Center Red Lion.

In addition to the display of new products, the Fair includes a complimentary buffet throughout the day. Drawing from the

experience of more than a decade of successful shows, the Fair hopes to attract mobs of professionals on their way home from work (appealing to their mind through their stomachs, and the same goes for lunch!).

For more information about Products Fair '89, please call the CSI Offices at 223-8231, or Arnie Wake at 252-1812.



Raoul Meekcoms of Firestone Building Products and Al Weller of National Marketing



Jody Moore of DeaMor Associates, Inc. and Architect Ray Totten of SRG Partnership, P.C.

**More Products Fair
info on Page 3**

PORTLAND CHAPTER

CSI

WHAT'S INSIDE

- Next Meeting, Page 2
- Directory Update, Page 5
- Construction Incentive Programs, Page 8

NEXT MEETING

Tuesday
April 11, 1989

DINNER PROGRAM

SPEAKER
Dick Siebert,
Manning Company

TIME
Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

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

LOCATION
Westin-Benson Hotel
SW Broadway & Stark

PARKING
Validated Parking \$1 under
Bank of California Building

RSVP
Betty Bellwood at 231-5000,
ext. 755, by 10 am April 7th

SEMINAR

Wednesday, April 12, 1989

TIME
11:30 am - 2 pm

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

LOCATION
Lloyd Center Red Lion

RSVP
Dennis Obert, 226-1575

Next Meeting

Exterior Insulation and Finish Systems

Why have these systems become so popular? Who has visual performance history? and What are the latest developments?

The focus for the April dinner meeting is on this fast growing segment of the construction industry. The guest speaker will be Mr. Dick Siebert, founder and principal of the Manning Company of Philadelphia, Pennsylvania. Mr. Manning is also president of Windblock Corp. He has been associated with EIFS Industries (Exterior Insulation and Finish Systems) since its beginning on the East coast in the 1960's. Accompanying Mr. Manning's talk will be a visual presentation of some Portland area buildings with these systems. The emphasis of this presentation will be on design and specification guidelines, special details, and product/systems utilization.

There will be a continuation of this discussion in a seminar format the following day, Wednesday, April 12th from 11:30 to 2 pm at the Lloyd Center Red Lion. The seminar will deal with the technical aspects of EIFS (Exterior Insulation and Finish Systems) - design criteria, proper detailing, specification writing, codes, application procedures, quality control, contractor responsibility, and manufacturing support. Panel members will be technical representatives of the system manufacturers.

Table top displays by manufacturers, will offer "hands-on" opportunities for dinner meeting and seminar attendees to see new



products and ask questions of suppliers.

Please plan to attend these informative programs.



Attention:

Industry members with Exterior Insulation and Finish System products are invited to display products and literature on table tops at the April dinner meeting and Seminar the following day.

Cost is \$25. **Rental of a table top will enable one person to attend the Seminar at no charge.**

Call Margie Largent at 620-6573 to reserve a table.

Products Fair '89



Arnie Wake: *Products Fair Committee Leader takes a humorous time out.*



Donald Trump, Cher and Gerardo Rivera are just a few names that Arnie Wake dropped during a recent interview, in his posh Eastside business office, that will not be attending the annual CSI Products Fair. But he hurriedly added, "many people will be attending, including architects, designers, decorators and specification writers, along with other persons. All the people you want to reach most, except for that cute man or woman of your choice in the office.

Many locations were talked about in the meetings held by Arnie and his committee, including the new Convention Center (which was dismissed as they felt none would wish to walk in mud

and be unprotected by the elements) as well as the Taj Mahal and the Kennedy Center. Those were eliminated as they felt the transportation costs were probably a little more than most people want to spend to attend the show. A consensus was reached finally that perhaps the Lloyd Center Red Lion Convention Hall would be more centrally located.

From the response of the invitation mailer, it appears that the proper decisions were made. Arnie was quoted as saying, "get on the ball, if you want a display area. They are going faster than fortified wine on West Burnside Street."

Exhibitor Status

At press time, the firms listed below have reserved space at the Portland Chapter CSI Products Fair, May 4, 1989.

Spaces are still available, please stop by the Chapter Office at 215 SW First Avenue and pick up an Exhibit Space Reservation Form.

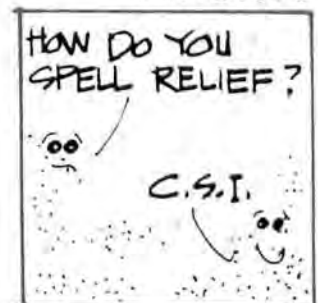
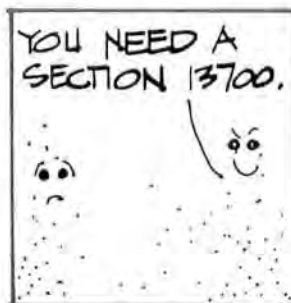
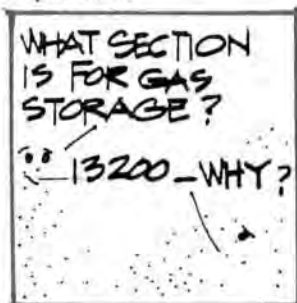
Professional Members: Formulate your questions for representatives of these firms - most will have more materials to exhibit than are usually carried for an office call!

Ark Materials (Synergy)
B. A. T. Systems

- Baxter & Flaming Industries
- Builders Blue Book
- Construction Data / McGraw-Hill
- Crossfield Products Corp.
- Daily Journal of Commerce
- Disdero Lumber
- Dulin (Bobrick)
- Duralite
- Exterior Wood, Inc.
- Flexco
- Fuller-O'Brien
- L & M Construction Chemicals
- Lemons Millwork, Inc.
- Lumber Products
- Masons Supply Co.
- Manville
- Masonry & Ceramic Tile Institutes
- Mutual Materials Co.
- National Builders Hardware
- National Marketing
- Northwest Lath & Plaster Trust
- Oregon Brass Works
- Pacific Specifier and Marketing
- Pella Window and Door Co.
- Pioneer Waterproofing
- Raven / Acousti-Level
- Rodda Paint Company
- Savage (Andersen)
- Sherwin Williams
- Simpson Strong-Tie Co.
- Taylor Sales (Cabot/Custom)
- Trims & Adhesives
- Tri-State Exterior System (R-Wall)
- United Tile
- U. S. Intec / Brai
- Wanke Cascade
- Western / Smithwick Block
- Western Insulfoam
- Weyerhaeuser



Specks



Alciatore

Board Report

Minutes of February 7, 1989 Board of Directors Meeting

Present: Tom Shea, Jim Hirte, Linda Hewitson, Curtis Finch, John Kehrl and Paul Wilson.

Absent: Inga Vrla, Dick Burgess, Mary Alice Hutchins, Steve Miller and Arden Newbrook.

Others Present: Linda Bowman, Dick Gira, Jim Robertson, Lee Kilbourn, Margie Largent, Dennis Obert and Arnie Wake.

The meeting was called to order at 12:04 pm by President-Elect Tom Shea. The Chapter By-Laws require that a majority of the Board members present be Professional members before chapter business can be conducted. There were not an adequate number present so the meeting proceeded for information and general discussion only.

Committee Reports:

Technical Documents: John Lape has accepted the chairman position. The Technical Documents Committee will merge with the Library Committee because of common membership. A committee meeting is scheduled for February 23, 1989. The committee is going to look into Design/Build and re-establishing the roundtable discussions prior to the monthly chapter meetings.

By-Laws, Paul Wilson: With the assistance of Lee Kilbourn, a revised By-Laws amendment was presented concerning Article 4, Section 2, "Board Membership"; Article 4, Section 3 "Voting"; Article 5, Section 5, "Chapter Executive"; and Article 9, "Fiscal

Administration" as it pertains to Chapter dues. Discussion ensued but no action was taken due to the inadequate number of professional members present.

Membership, Lee Kilbourn: Presented four applications for Retirement Membership status: Gordon Van Antwerp, John C. Crook, Douglas H. Drynan, and Rodney V. Moorman. These applications will be forwarded to the Institute for processing. The members present recommended approval.

Products Fair, Arnie Wake: This year's Products Fair will be held on Thursday, May 4, 1989 at the Lloyd Center Red Lion from Noon to 7 pm. There are 96 booths available. Booths are priced at \$450 each with discounts of \$75 for early registration and \$75 for being a CSI member. The Fair will feature a no-host bar, a variety of food with 2 main serving times, at the Noon hour and shortly after 5 pm. A harpist will perform throughout the day. The Daily Journal of Commerce and the Construction Data & News organizations are being provided booths at no cost in exchange for free publicity. Dennis Obert asked if a seminar titled "Selling to the Design Professional" would be well received in conjunction with the Products Fair. Those Industry Members present said it would not because the exhibitors are too busy with the Fair.

Jim Robertson, Region Director presented highlights from the Institute's February Board meeting:

1) Institute dues increase of \$20 per year was approved.

2) The Institute approved changing the name of the

"Certificate" program to "Construction Document Technology" program.

3) Jim Robertson encouraged all Board and Committee Members to attend the Leadership Conference in Seattle, April 22nd and 23rd.

4) The Region Conference is being hosted by the Spokane Chapter and will be held September 7 through 10, 1989.

5) It is important that Institute Committee nominations be submitted as soon as possible to Jim Robertson or Dick Gira.

The meeting was adjourned at 1:10 pm.

-- Respectively submitted,
Jim Hirte, PE, Secretary --



Northwest Region Meeting Schedule

Cook Inlet, (Anchorage, AL)
3rd Tuesday of month,
6:30 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

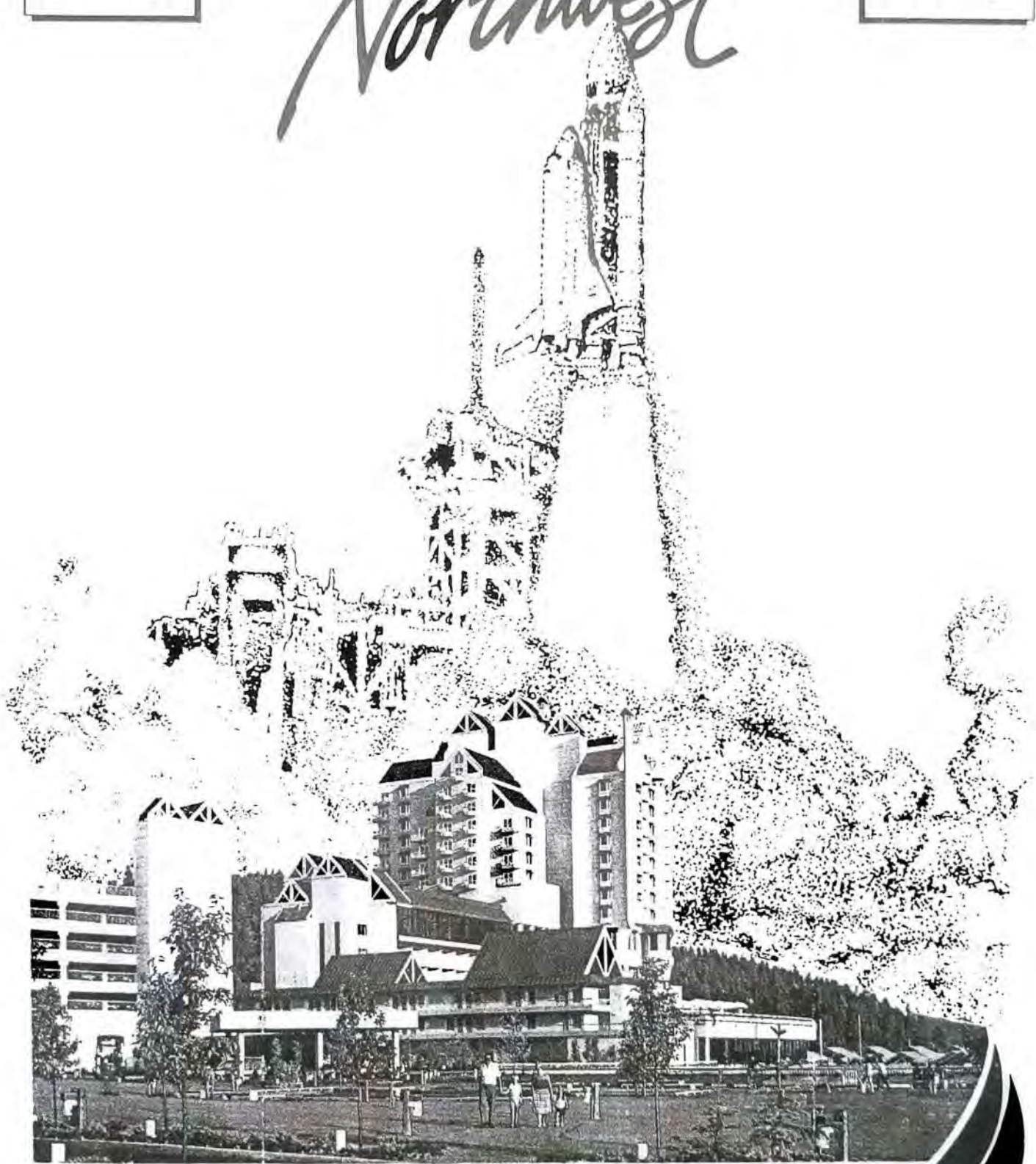
Puget Sound (Seattle, WA)
2nd Thursday of month
5:30 pm, Meany Tower

Spokane (Spokane, WA)
2nd Thursday of month
6:30 pm at various locations

Willamette Valley (Eugene, OR) Last Thursday of month
5:30 pm, BJ's Restaurant

E XPLORATION N

Northwest



UTILIZING OUR POTENTIAL
CSI REGION CONFERENCE

SEPTEMBER 7-8 & 9, 1989



BS by KS

Basic Specs by Ken Searl

For many years I have noticed that beginning architects, engineers and specifiers generally do not receive enough experience out in the field. It is one thing to have a formal education but without the addition of practical experience these professionals don't reach their full potential.

Here are a few examples of what I'm talking about:

A beginning structural engineer can be prone to designing each concrete beam in a multi-storied building a different physical size and with different sizes of reinforcing steel. This does two things: It runs up the cost of construction and has been known to drive contractors a trifle daffy. A more experienced engineer will keep most the beam form dimensions the same size and calls for reinforcing steel the same size wherever possible. This keeps construction costs down considerably.

A new architect may tend to draw details that either cost too much or just plain don't work properly. In Oregon, details in connection with roofing and other exterior items can cause lots of leaking. (Usually, only when it rains, however.)

New specifiers, and including some of us old rascals, also often specify items that will not work for the intended application. They might also specify items not normally found in the project area which can lead to delays and higher prices. I have been guilty

of the first item a time or two. A few years back a contractor called me and asked how come I was specifying a certain manufacturer who had been out of business for over four years!

Wherever possible, time should be allocated to new members of each profession to get out to the project site in order to gain practical knowledge so that these borderline items and poor details do not become a Federal case. The more clear a set of drawings and specifications the less chance there is for litigation.

Another item I want to discuss is our method of construction contracts which tends to cause an adversarial conditions between some contractors and architects. What can be done about this you ask. The most important item is to keep proper communication lines open between both parties. If we find there are some differences, iron them out and get on with the project. All of us are members of the same team so let's work together for the good of the owner, who hired us both.

For those of you that receive the Specifier magazine have you noticed that more articles are being published about various systems including our old favorite "roofing". There are lots of good articles in this publication and if you haven't looked closely at it lately, I suggest you do.



Ken Searl is a Spec Writer for WEGroup Architects in Portland and Eugene

Chapter News

Revised Directory Coming

Portland Chapter CSI is about to publish and distribute a new chapter directory. The committee expects it to be available at the 1989 Products Fair, May 4. To meet this date, revisions must be at the Chapter Office by April 12, the day after the April Chapter Meeting. A draft will be available for review at the meeting; additional revisions may be offered at that time.

Telecopier ("FAX") Numbers? They'll be listed, of course. Best put 'em on a postcard, but verbal revisions and additional information at the next meeting will be tolerated. Optionally, use your fax machine to send the data (evenings or weekends if practicable) to Lee Kilbourn, collector, at 503/224-2482.

Classifications? Only to the extent they are self-evident to the Committee, or reported in writing.

The committee would like another member or two - phone calls, mostly. If you have a few minutes a couple of times a day between now and the Chapter Meeting, please call the Chapter President, Inga.

Dues Increase - Again!

As of July 1, 1989, Institute dues will be \$130. This means that NOW is the time to join the Institute, if you've been putting it off. Applications processed by the Institute before June 30, 1989 will go through at the old rate of \$110 (Chapter dues remain added to these amounts).

March Dinner Meeting

Dennis Plaut and Al Boche of 3M present Table-Top display.



Firestopping

The March Chapter meeting had two excellent speakers on Firestopping. The first speaker was Dennis Plaut of 3M Contractor Products Department, Senior Account Representative from San Mateo, California. The second speaker was Breck Spain of Bio Fireshield, Inc., Regional Sales Manager from Sonoma, California.

Dennis Plaut presented a slide show covering the materials his company has developed which pass the new firestopping test, ASTM E 814. Dennis indicated that as a general rule, thin walls and floors and large penetration openings demand more performance from firestopping materials than thick walls and floors and small penetration openings.

He noted that the national building codes have been slow to adopt ASTM E 814 partially because of the steel pipe industries fear that in testing performances of firestopping materials this standard could encourage a wider use of plastic pipe on Commercial projects - plastic pipe failing at a much lower temperature compared to an equal size steel pipe.

Firestopping of penetrations in Northwest is regulated by the ICBO (published by ICBO), the

NFPA 101 Life Safety Code and the NEC (National Electrical Code). Specifiers should specify only fully tested materials.

It was recommended that Design Professionals use ASTM E 814 fire

tests methods when specifying firestop assemblies. This fire test has an F rating for flame penetration, a T rating for time of the test, and assemblies must pass the hose stream test and remain in the opening.

Firestopping materials which pass ASTM E 814 are made from intumescent materials which begin to expand at 250 degrees F. and expand from 4 to 10 times their original size. Before the development of these new materials fire wall penetrations were filled with mineral wool insulation, but this method does not prevent the penetration of smoke during a fire. Since 85 percent of the people who die in building fires are killed by smoke inhalation, smoke stop-

ping is a serious life safety issue. Another advantage to using intumescent materials is that they help reduce water and smoke damage to adjacent building spaces when putting a fire out.

The amount of firestopping materials required to fill an opening in a rated building assembly is based on fire test results published in the Underwriters Laboratories, Inc., Fire Resistance Directory. There are currently over 300 successful firestopping tests listed in this Directory.

CSI has designated Section 07270 Firestopping as a preferred location for specifying firestopping materials. Mechanical and Electrical Engineers should cross-reference Section 07270 in Sections 15050 and 16050.

Mechanical and Electrical bidders should then include prices for assemblies which meet the ASTM E 814 test in penetrations through fire walls. Mechanical and Electrical Contractors may either provide the products themselves or hire specialty subcontractors for firestopping work.



New members Al Weller, Doug Leach, Bash Zafar and Dan Dishongh: receive membership pins.

Industry News

A Letter to the President



MULTNOMAH
COUNTY
LIBRARY
**THE
CONSTRUCTION
LIBRARY**

“Pitfalls of the AIA Documents”

Seminar By Richard E. Alexander

“Pitfalls of the AIA Documents”, a program focusing on the B141 (Owner-Architect Agreement) and C141 (Architect-Consultant Agreement). The program features Richard Alexander of Stoel, Rives, Boley, Jones & Grey, an attorney specializing in the area of construction and design law, litigation, arbitration, claims and negotiation of agreements.

This is the fifth in THE CONSTRUCTION LIBRARY WORKSHOP series.

This workshop will be held Wednesday, May 10, 1989, 3:30-5 pm at the Multnomah County Library Auditorium, main floor off lobby, 801 SW 10th Avenue, Portland, Oregon. There is no cost, but please pre-register by calling the Portland Chapter AIA at 223-8757. Parking is available at City Center Parking, 10th and SW Morrison for \$.75 per hour.

This workshop is co-sponsored by the American Institute of Architects and The Multnomah County Library.



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- **EFFECTIVE!!**

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Call Trasi Hogenhout
for details at 226-1311



Looking for Steve Miller? You'll find him at *Trims and Adhesives*. Steve a new Architectural Rep concentrating on commercial, industrial, and sports floorcovering and supplies. His new telephone number is 286-2228.

February 28, 1989

Portland Chapter CSI
215 SW First Avenue
Portland, Oregon 97204

Attn: Ms. Inga Vrla
Ref: CSI Meeting on 2/15 - 16

The warmth of your entire chapter was quite evident during my visit and presentation. Your kindness is appreciated.

From a manufacturers point of view, your chapter is like coming home. You have a way of making people feel comfortable. You're easy to be around. I like that in people and when I find it, I wish to say so.

From a salesman's point of view, your members asked very good questions with regards to below-grade waterproofing. I do hope I answered them in a direct manner rather than beat around the bush.

I often find myself in the Portland area and if it happens that I am there at the same time as a meeting, I would hope that I could be welcomed once again.

Thank you once again for your courtesy and warmth.

Yours Truly,

Robert H. Olsen
Western Regional Manager
American Colloid Company
23019 Del Lago Drive #1014
Laguna Hills, CA 92653

We appreciate your very kind words — thank you very much.

-- Inga --

Industry News



Construction Incentive Programs by Pacific Power

Attracting customers and adding value and energy-efficiency to construction should be easier for local builders, with Pacific Power's two construction incentive programs now in place, Ann Carter, the company's consumer marketing manager, announced today. This year, Pacific will continue to offer cash construction incentives to builders of energy-efficient Super Good Cents Residences.

Super Good Cents is an innovative regional program sponsored by the Bonneville Power Administration and participating public and private utilities that encourages the building of energy-efficient new houses. SGC constructed residences have maximum weatherization and energy-efficient heating systems.

Houses built to SGC standards are 45% to 60% more efficient than most new construction, and the standards can be adapted to any construction plans.

Builder's cash incentives help compensate developers for the extra time needed to develop new construction skills. The incentive amount is based on climate zone. Builders working in colder areas receive a higher construction incentive payment, to defray the cost of additional insulation required to colder climate zones.

Builders operating in Bend and Klamath Falls, Oregon, receive

\$1250 for each house or the first unit in an apartment building and \$250 for each additional unit in an apartment building. Developers in the state of Washington, Portland and warmer parts of Oregon receive \$1000 for each house and for the first unit in an apartment building, plus \$250 for each additional SGC unit.

"Although it takes added skill to master SGC building methods, the rewards make the effort worthwhile," Carter said. "Less lumber and time is needed for SGC construction, so building costs can be lower," she added.

The cash incentive is the company's way of encouraging builders to go for the longer-term gain by learning SGC construction and training their sub-contractors in these methods. "Through participation in Pacific's incentive program, builders can add to the value of their final product," Carter said.

Builders also benefit from the company's "Pacific Plus" program. From now until October 1, Pacific customers who build SGC residences receive an allowance toward the purchase of luxury appointments. Customers will be reimbursed up to \$800 for upgraded carpet, a hot tub, a heat pump, even closing costs.

Carter said the "Pacific Plus" program will bring eligible buyers to local builders. "It's a win-win program. Home owners get a comfortable and efficient residence and builders get increased opportunities for sales." Only those who build a home in Pacific Power's service area are eligible for "Pacific Plus" benefits. For information, call Pacific Power and ask to speak to the company's Super Good Cents representative.

Technology of Roof Moisture "Surveys", "Scans" or "Studies"

By Alan Loftesness

The technology behind roof moisture testing is not new. In fact, it has been utilized in varying degrees for a number of reasons since the early 70's. The data obtained and the degree of accuracy is excellent but, it is only a tool in the decision process of roofs and roof management.

All roof systems deteriorate. Generally speaking, roofs deteriorate due to a combination of reasons including:

1. Environmental (weathering, etc.)
2. Design and/or application defects
3. Physical damage (foot traffic, etc.)

With any of these causes, the eventual result is some sort of interior leakage and/or roof problem(s) or failure. From the standpoint of the building user, they generally only hear and/or see roof problems when an "interior leak" develops. From the technical standpoint, this interior leakage is usually the result of a number of conditions which occur in varying degrees and rates.

Many times, roofs are maintained only because of "roof leaks". The type of repair can include virtually hundreds of types of materials and or methods. They also tend to have varied results.

Roof moisture testing and it's resulting internal roof moisture profiles supply invaluable information as to degree of problem(s),

Industry News



type of problem(s) and source of problem(s).

With any roof repair, the above information is necessary (in some fashion) in order to make a repair/maintenance management decision. When this information is gathered and utilized correctly, cost effective decisions result.

Roof moisture testing techniques range from simple visual "eyeball" inspection to sophisticated non-destructive testing equipment and data gathering techniques. The generic list includes:

1. Visual inspection (feels or looks wet or dry)
2. Infrared
3. Nuclear
4. Electrical Capacitance
5. Electrical resistance probes

All equipment currently utilized detects various changes in the roof assembly and a moisture determination or analysis is necessary. None of the equipment, by itself, detects moisture. All equipment has technical, operator or analytical limitations. However, if the

equipment is utilized correctly, with proven data gathering techniques and experienced personnel, the results can be accurate, cost effective and very revealing.

The basics that the equipment detect are infrared (thermal changes), nuclear (variations in hydrogen content), electrical capacitance (dielectric constant changes) and electrical resistance probes (variations in the ability to conduct electricity).

The key with any equipment is two-fold. What does it detect and how much does it miss (not locate)?

The moisture profile data generally depends on the type of roof tested but can range from simple, "wet/dry" determinations to interply moisture detection in conjunction with migration. Virtually all built-up and single-ply roof systems can be tested. (The only major exception is IRMA's and PMR's). This includes insulated and non-insulated systems.

With over 500 legitimate roof specification and material combinations, the equipment utilized, in many cases, depends on the component parts of the roof assembly. It is important to understand that moisture within the components of a roof assembly have varied ambient levels and absorption rates and characteristics.

Anyone involved in the roof management decision process can utilize this information. This includes building owners/managers, contractors, architects/specifiers, consultants and materials suppliers. It is our opinion however, that a roof moisture study should be utilized as a data gather-

Editorial Staff

Linda Bowman, Editor
226-1575

Trasi Hogenhout, Advertising
226-1311

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/A Architects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon, 97204,
503/223-8231

ing, problem solving and roof management tool. It should not be utilized simply as a vehicle to "sell" roof systems or projects.

Accurate internal roof moisture data profiles are available and are practical, cost-effective management tools. When a roof moisture study is contemplated, it is essential to know reason for study, expected type of data development, type of equipment utilized and the experience of the operator.

Portland Chapter Leaders, 1988-1989

President-Inga Vrla	635-6227
President-Elect- Tom Shea	760-6433
1987-88 President- Curtis Finch	636-9270
Secretary-Jim Hirte	244-0843
Treasurer-Linda Hewitson	624-0865
Executive Director- Margie Largent	620-6573

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Mary Alice Hutchins, Prof. '89	223-2920
John Kehrl, Ind. '89	644-7102
Steve Miller, Ind. '90	286-2228
Arden Newbrook, Prof. '90	222-4470
Paul Wilson, Prof. '89	223-6963

Committee Leaders

Awards-Tom Clucas	206/254-8952
By-Laws- Paul Wilson, CCS	223-6963
Certification- Ray Totten, CCS	222-1917
Editor-Linda Bowman	226-1575
Education- Dennis Obert, CCS	245-7802
Finance-Betty Bellwood	231-5000
Hospitality-Andy Cleveland	620-1014
Liaison-Dick Burgess	226-2921
Library- Candace Robertson	222-3753
Long Range Planning- Don Eggleston	228-6444
Membership- Lee Kilbourn, FCSI, CCS	224-3860
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Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 9

May, 1989

NEXT MEETING

Tuesday
May 9, 1989

SPEAKER

Mr. Rick Locke,
Northwestern Industries, Inc.

TIME

Social Hour 5:30-6:30 pm
Dinner & Program 6:30-9 pm

COST

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

LOCATION

Westin-Benson Hotel
SW Broadway & Stark

PARKING

Validated Parking \$1 under
Bank of California Building

RSVP

Betty Bellwood at 231-5000,
ext. 755, by 10 am May 5th



Glass | 2202

The technology of glass has gone through dramatic changes in the last 15 years. The energy crisis of the early 70's brought about new requirements from glass. No longer would glass be expected to just provide light into a building. Glass must control heat loss and heat gain for example. The glass industry responded with products such as low E glass, reflective glass, tinted glass, insulating glass

and now ceramic glass.

The featured speaker on May 9th will be Mr. Rick Locke, manager in sales and marketing for Northwestern Industries, Inc., of Seattle, one of the largest suppliers of fabricated glass products in the Western U.S. Mr. Locke will speak about the manufacturing process for various glass products, their availability, costs and recommended applications. Preston Jones, of Savage Wholesale will also speak on the local availability of the various products, and Bob Thompson of Pella Commercial will show slides on the uses of textured and patterned glass.

There will be a seminar on Wednesday, May 10th from 11:30 a.m. to 2 p.m. that will feature a panel of industry people including Preston Jones and Bob Thompson, as well as an Owners Representative and an Architect. The panel will address detailing, plans and specifications and how to determine the actual cost of a window, based on it's location in the building, size of opening, standard stock sizes and type of glass needed.



PORTLAND CHAPTER

CSI

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- Specifying Cabinet Hardware, Page 5

A Message from the President



President, Inga Vrla: *evaluates chapter favorably.*

•••••

I received a fat envelope in the mail this week from another Chapter President in the Northwest Region and was reminded that it was time once again to evaluate Chapter activities, to be able to present the results at our semi-annual Coordinating Council meeting (held this spring in conjunction with the Leadership Conference in Seattle).

Normally this is a mundane task of listing statistics of the membership; meeting attendance, etc., including a question or two requiring essay answers. "What were the strengths...the weaknesses... best programs (why?), worst (why?), and constructive comments", just to name a few. Now that would require a bit of thought on my part.

I was pleased to be able to respond favorably. We've had excellent programs and educational seminars, thanks to Steve James and Dennis Obert. Our Calling Committee has been so successful we will need to make that a permanent committee.

Attendance has been quite good this year. Thank you Roy Josi and committee? Our "treasurer" has, by default, become a committee of several. Linda Hewitson stepped in when we needed help desperately. Betty Bellwood and Margie Largent were always "there" taking the money at each meeting and then! we had a few committees of ONE and this is what I wanted to comment on.

I really understand how it feels as a committee chairperson to find it easier to get the job done alone, rather than rely on a committee member(s) who may or may not come through. One of the important lessons we can learn is how to delegate. I think we owe it to our committee members to trust them to do the job. I don't think arm twisting does it, but having knowledge of the goals of our chapter and the Institute is the primary tool - understand the objective and infuse others with our enthusiasm!

We are planning our second New Member Orientation meeting on May 11, 1989. I am inviting all Board Members and Committee Chairs to participate and pass along the gospel according to CSI to our new members. Let's infuse them with our enthusiasm and in so doing give ourselves a booster shot!

When we help others, we help ourselves.

Linda Bowman, Editor of The Predicator will be the recipient of the 1989 Institute Award for Newsletter Excellence commendation at the annual convention in New Orleans this coming June! Congratulations Linda!!!

Inga



NEXT SEMINAR

Wednesday,
May 10, 1989

SPEAKER
Panel Discussion

TIME
11:30 am - 2 pm

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

LOCATION
Red Lion Coliseum

RSVP
Dennis Obert, 245-7802

Attention:

Industry members with Glazing products are invited to display products and literature on table tops at the May dinner meeting and Seminar the following day.

Cost is \$25. **Rental of a table top will enable one person to attend the Seminar at no charge.**

Call Margie Largent at 620-6573 to reserve a table.

Board Report

Minutes of March 7, 1989 Board of Directors Meeting

Present: Inga Vrla, Margie Largent, Jim Hirte, Curtis Finch, Mary Alice Hutchins, John Kehrl and Paul Wilson.

Absent: Tom Shea, Linda Hewitson, Dick Burgess, Steve Miller and Arden Newbrook.

Others Present: Linda Bowman, Dennis Obert and Lee Kilbourn.

The meeting was called to order at 12:07 pm by President Inga Vrla. The By-Laws require that a majority of the Board Members present be Professional members before chapter business can be conducted. There were not an adequate number present so the meeting proceeded for information and general discussion only.

Committee Reports:

Products Fair: No decision has been made in the selection of a speaker. Curtis Finch is continuing the search.

AdHoc Region Conference: Dennis Obert reported that the committee has selected the Shilo Inn at Seaside as the conference site. The conference will start at noon on Friday and go through Sunday. Jim Davidson is working with Dennis Obert and they are looking for speakers.

Education: Inga Vrla commented on the excellent job the committee is doing. The educational seminars have been a real success.

Technical Documents: The committee has arranged a meeting with City building officials to discuss the design/build requirements. The meeting will be held a Noon, March 21, 1989, at the AIA offices. The committee will meet on the 4th Tuesday of each month at the AIA offices.

By-Laws: Paul Wilson and Lee Kilbourn presented proposed By-Law changes. Without a voting quorum present, only discussion was held. Those Board members present asked President Vrla to call a special Board meeting for March 14, 1989 just prior to the regular Chapter meeting.


Hospitality: President Vrla asked that this committee being negotiations for the 1989-1990 meeting year with the Westin-Benson. Vrla also asked that the committee work with the Education and Program committees to assure that their meeting/seminar requirements are met.

Directory: The Chapter Directory will be published and made available at the Products Fair, 1989.

Old Business: None.

New Business: President Vrla and Lee Kilbourn met with Ted Chiless, President of Portland Chapter AIA, concerning our obligation for tenant space. AIA is considering expanding and upgrading and is looking to CSI for assurance that the chapter will continue as a tenant.

The meeting was adjourned at 1:20 pm.

-- Respectively submitted,
Jim Hirte, P.E., Secretary -- 

**Come Let the Good
Times Roll at the
CSI
Convention/Exhibit
—That's June
23-25, 1989
in
New Orleans**

**Offering More
Than 40
Education
Sessions
and 948
Exhibit Booths**

**Come on
Down & Strut
Your Stuff!**



BS by KS

Basic Specs by Ken Searl



Some owners and/or architects go out of their way to complicate change order methods and procedures

This month let's talk about change order methods and procedures.

I've noticed over the years there are many ways to prepare and process change orders. I've heard complaints from contractors regarding the time lag in processing change orders. Some projects have a field work order as one method of establishing change orders. Until a change order is issued a contractor cannot bill for the work even though work has been completed.

Other grumbles have been about money being tied up. Believe it or not contractors do need money in a timely manner.

A field order doesn't necessarily require a form. It can be verbal with a later authorization to proceed and then shown on the next observation or inspection report indicating what item or items will be placed in a future change order. Now, by golly don't wait too long to get that change order out. Keep in mind if small amounts of money are involved one can delay preparing a change order until costs accumulate to a reasonable figure. It all depends on job size.

Some owners and/or architects go out of their way to complicate change order methods and procedures.

Our firm tries to maintain the KISS method. (Keep it Simple Sam). We note at least one organization not only has a change order form but their proposal request form requires several signatures. When the change order is prepared several signatures are again required.

I don't object to the change order request form. Our firm has a form just for this purpose and it goes out to a contractor with just one signature. When costs are submitted by a Contractor we usually contact the owner for an approval or rejection of each item and from that we prepare a change order and whatever copies are required by the owner. Sometimes we also send completed change order request forms to the owner.

One thing I feel important is to always specify and require that a breakdown for each item be submitted with a change order request. In most cases attach this breakdown to all change orders.

Over the years I have found that a clear, concise and simple procedure will always fare better in time and money than a lengthy and complicated procedure.

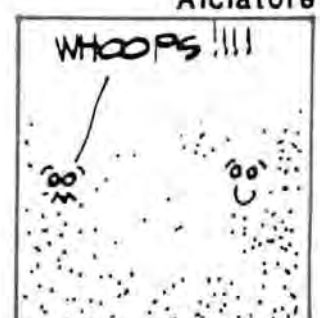
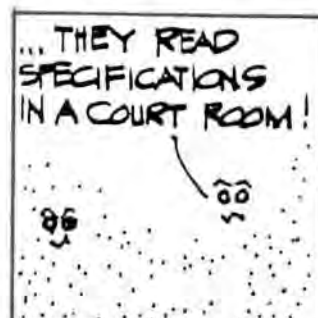
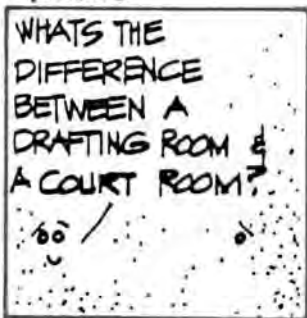
Don't forget to go to Coeur D'Alene, Idaho for the CSI Northwest Region Conference on September 7, 8, and 9, 1989. This conference is being held in a world class hotel on the lake shore.

One last item. I was at a job inspection meeting the other day and the contractor stated he had to do something at another project that he never believed would happen. He actually requested a subcontractor to slow down. After all the years he has been asking subcontractor to speed up he was now asking one to slow down. Almost unbelievable.

Ken Searl is a Spec Writer for WEGroup Architects in Portland and Eugene.



Specks



Alclatore

April Dinner Meeting

Exterior Insulation and Finish Systems

Section 07240

The April 11 dinner meeting at the Westin-Benson featured table-top displays by manufacturers and allied suppliers to EIFS systems and a slide presentation showing completed projects using these systems in the Portland metro area. Mr. Dick Siebert of The Manning Company (Pennsylvania distributor of Dryvit since its beginnings in the US in the late '60's) and President of The Windlock Corporation (manufacturer of mechanical fasteners and tools for the EIFS industry) spoke of the importation of the exterior-applied insulation concept from Europe, the growth and development of the systems during the "energy-crunch" years in the US of the early 70's, the acceptance of the systems due to performance, and the embracing of the systems by designers due to aesthetics, flexibility, and creativity. He anticipates significant growth in the future with these systems in new construction, particularly as new technology provides more ideas and products. He also sees the RETROFIT market particularly of interest because of the ability of these systems to provide a new and energy efficient skin to older structures.

Wednesday's seminar at the Red Lion Lloyd Center had a greater than expected turn-out due to the high interest of spec writers, designers, and contractors. The



Left: Cecil Taylor of Dryvit Company and guest speaker Dick Siebert of The Manning Company

format consisted of a panel of "experts" representing the leading manufacturers of products from the EIFS industry: DRYVIT (Cecil Taylor), R-WALL (Dan Gerpheide), SENERGY (Joel Webber), THOROWALL (Gene Andrews), and EIMA (Exterior Insulation Manufacturers Association), represented by Frank Healy of R-Wall Technical Services. Panel moderator was Dick Gira.

Among the most important points discussed at the seminar were:

- Placement of the EIFS systems in the CSI MasterFormat (Section 07240)
- Definitions of PM (polymer-modified) and PB (polymer-base)
- ICBO approvals and accepted systems
- What constitutes "applicator approval" by manufacturers
- Support by manufacturers/ reps related to proper detailing, technical information and job conditions
- Warranties

The final issue of discussion concerned impact-resistance of

these systems. Panelists emphasized the proper specification of impact-resistant reinforcing mesh to prevent damage to walls. A demonstration of impact on three samples proved the point.

As has been the case with previous seminars, while questions were answered, more questions were raised. This interchange of ideas helps all of us to realize the goal of better specifications and higher quality assurance standards for the industry.



Dennis O'Keefe of USG: attends DurRoc table-top display.



Industry News

Specifying Cabinet Locks

Any discussion of cabinet locks inevitably involves mention of deadbolts, cams, tumblers, masterkeying and other more or less esoteric terms, the meaning and importance of which are not always clear. The purpose of this article is to define and clarify these terms and aid the architect in his task of specifying cabinet locks.

Basically, a cabinet lock is a mechanical device designed to keep physical property safe. There are two common types of cabinet locks: the cam lock and the deadbolt lock. Operation of the first type involves turning the key to rotate a steel cam 90 degrees to catch behind a strike or cabinet member. Cam locks provide adequate security as well as maximum mounting variations for the cabinet manufacturer. Because typical cams are 1-1/2-inch long and 1/8-inch thick, they are not as strong as a deadbolt lock. Turning the key in a deadbolt lock slides a steel bolt vertically for a drawer application and horizontally for a door. Deadbolt locks provide the maximum security available for cabinets when the bolt travel is 3/4-inch and bolt thickness is 3/16-inch.

Cabinet locks are basically made of two types of materials: zinc die cast and solid brass. Since die cast is the less expensive material of the two, but, since the product is cast instead of machined, as in the case of brass, the lock does not operate as smoothly or as reliably. Brass locks are

reliable, durable and provide better resistance to adverse conditions, such as a chemical laboratory. In terms of life-cycle costing, brass locks of medium price are probably less expensive than die cast.

"Masterkeying is a widely misunderstood concept. Many people think it improves security when, in fact, it does not."

The level of security a cabinet lock provides depends primarily on the keying and the type and number of tumblers in the mechanism, or keyway. There are two types of lock tumblers: disc and pin. Generally, disc tumbler locks provide less security because they are easier to pick and have fewer key changes available. Most disc tumbler locks offer 200 key changes. They can be masterkeyed but not grand mastered or sub mastered. Pin tumbler locks are the most secure, offering 850 key changes for four pins and 2000 key changes for five pins. They are much more difficult to pick and can be grand mastered, mastered and/or sub mastered.

Masterkeying is a widely misunderstood concept. Many people think it improves security when, in fact, it does not. When a lock is masterkeyed, one "master" key will open all the locks in the system, greatly reducing the overall security. Masterkeying is done for reason of convenience and affords one person access to many cabinets. Grand masterkeying with sub master keys could be

used in the following situation. A high school principal would have a grand master key to open all cabinet locks in the school. Each department head would have a sub master key to open all cabinets in his/her room or department and each student would have the key to a specific drawer or cabinet.

The specifier should also bear in mind that the degree of security provided in the finest and most expensive lock is limited by the construction of the cabinet - the materials and joinery used in building the drawer or case. The highest quality wood casework can be destroyed or damaged sufficiently to afford entry to the determined intruder. It does not make good sense to over specify cabinet locks in an effort to attain a level of security that in reality cannot be achieved.

A final point concerns the placement of cabinet locks in the project specification. In the present-day era of factory-built casework, we still occasionally find cabinet locks specified under finish hardware, with machining for the locks by the casework manufacturer and installation by finish carpenters. Properly and most cost-effectively, the cabinet locks should be furnished by, machined for and installed by the casework manufacturer.

In summary, lock selection should depend on the level of security desired and the need for hardware that functions properly and is durable. Keying selection should be kept as simple as possible to help assure security.

-- By *Todd Wilson, National Cabinet Lock and Edward Loy, CSI, Lemons Millwork* --



Chapter News

Awards Committee Requests Nominations

Awards Committee Leader Tom Clucas is looking for a few good men and women to nominate for Chapter and Region Awards.

If you know of someone who deserves to be recognized for their outstanding contribution to the chapter, or if you know of a project of superior craftsmanship or technical merit, don't let this opportunity pass.

Awards are the one way our Chapter and Region have to acknowledge the sacrifices and achievements that we all make as members and volunteers. Please help our Awards Committee recognize those individuals or firms who by their efforts have enhanced our entire organization and have furthered the "Advancement of Construction Technology".

A few of the many awards given in the past are:

- **Certificate of Appreciation:** distinguished service to the chapter in the advancement of the objectives of the Institute or Chapter.
- **Organization Certificate of Appreciation:** firm or organization for distinguished accomplishments which promote the objectives of the Institute or Chapter.
- **Cooperation Award:** trade association, trade union, contractor association or professional association for exceptional liaison work with the chapter.
- **Specification Proficiency Award:** awarded to professional member attaining special proficiency and outstanding stature as a practicing specification writer.
- **Citation Award:** individual, firm or organization for some outstanding accomplishment in specification writing.
- **Education Award:** individual or organization that has made a significant contribution to the field of education in areas related to the purposes of the Institute or a significant contribution to the educational programs of the chapter or the Institute.
- **Technical Award:** individual, firm or organization that has made a significant contribution to the technical program of the chapter or Institute.
- **Craftsmanship Award:** individual for superior craftsmanship with the purpose of recognizing and promoting such outstanding craftsmanship in the construction industry within the chapter's area.
- **Publications Award:** individual or committee contributions to newsletter and other Chapter publications.
- **Al Hansen Memorial Award:** chapters highest honor, for outstanding individual contribution.



ciency and outstanding stature as a practicing specification writer.

As you can see the possibilities are endless. For more information, contact Tom Clucas, Awards Committee Leader at 206/254-8952 or Margie Largent, Executive Director at 620-6573. Deadlines for nominations are May 7th so hurry!

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Editorial Staff

Linda Bowman, Editor
226-1575

Traci Hogenhout, Advertising
226-1311

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June. The opinions expressed in this publication are not necessarily those of The Predicator staff.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/Architects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon, 97204,
503/223-8231

Get out and Vote!! 1989-90 Chapter Elections

Ballots for 1989-90 Chapter Officers elections are being mailed separately to members. Please return completed ballots to Chapter office or bring to the May 9th Chapter Meeting.



Portland Chapter Leaders, 1988-1989

President-Inga Vrla	635-6227
President-Elect- Tom Shea	760-6433
1987-88 President- Curtis Finch	636-9270
Secretary-Jim Hirte	244-0843
Treasurer-Linda Hewitson	624-0865
Executive Director- Margie Largent	620-6573

Board of Directors

Dick Burgess, Prof. '90	226-2921
Mary Alice Hutchins, Prof. '89	223-2920
John Kehrli, Ind. '89	644-7102
Steve Miller, Ind. '90	286-2228
Arden Newbrook, Prof. '90	222-4470
Paul Wilson, Prof. '89	223-6963

Committee Leaders

Awards-Tom Clucas	206/254-8952
By-Laws- Paul Wilson, CCS	223-6963
Certification- Ray Totten, CCS	222-1917
Editor-Linda Bowman	226-1575
Education- Dennis Obert, CCS	245-7802
Finance-Betty Bellwood	231-5000
Hospitality-Andy Cleveland	620-1014
Liaison-Dick Burgess	226-2921
Library- Candace Robertson	222-3753
Long Range Planning- Don Eggleston	228-6444
Membership- Lee Kilbourn, FCSI, CCS	224-3860
Nominations- Curtis Finch	636-9270
Products Fair- Arnie Wake	252-1812
Programs-Steve James	288-5195
Publicity-Roy Josi	691-3944
Technical Documents- John Lape	243-2837

Region Responsibilities

Region Trustee- Jim Davidson	226-3508
Region Publications- Ken Searl, CCS	223-1181

Region Directors

Richard Gira NW Lath & Plaster Trust 4621 SW Kelly Portland, Oregon 97201 (503) 224-8226
James M. Robertson, FCSI, CCS Robertson/Sherwood/Architects 96 East Broadway, Suite 6 Eugene, Oregon 97401 (503) 342-8077

Institute Responsibilities

Technical Documents Committee- Bob Klas	644-4222
--	----------

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 Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

215 SW First Avenue
Portland, Oregon 97204

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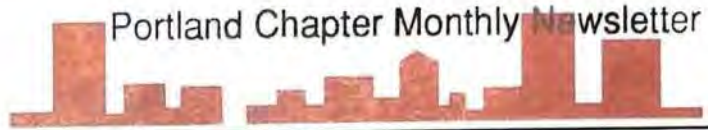


The Construction Specifications Institute

The Predicator

Advancement of
Construction Technology

Portland Chapter Monthly Newsletter



Vol. 28 No. 10

June, 1989

NEXT MEETING

Tuesday
June 13, 1989

*Awards Banquet
and
"Meet the Library"*

TIME
"Meet the Library"
5:30-6:30 pm
Catered Dinner
6:30-8:30 pm

COST
\$15 per person. Guests and spouses are encouraged to attend.

LOCATION
Multnomah County Library,
801 SW 10th Avenue

RSVP
This month only, please
Pre-Pay. Instructions
on Page 3.



Our final meeting of the year will be held at the Multnomah County Library, 801 SW 10th Avenue, in downtown Portland. Now before you say "ho-hum" - what possibly could excite me at the library? read the entire article. This is going to be a fun, exciting, and a beneficial meeting with great food!

First of all it is *Awards Night* - the night we honor deserving

people for their contributions to the Construction Industry and to the Chapter. You may even be one of those deserving honored folks.

Secondly, it is an *Annual Chapter Meeting*. A time to reflect back on the past year and to bask in the glory of a successful Portland Chapter CSI year, and a

(Continued on Page 3)

PORTLAND CHAPTER

CSI

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A Message from the President



President, Inga Vrla

.....

We had a good turnout of Portland Chapter members attending the Leadership Conference and Region Coordinating Council Meeting in Seattle on April 22 - 23, 1989. Linda Bowman's presentation Newsletter by Computer was well received and Dennis Obert held forth at the Education Roundtable. There is always much to learn and share at these roundtable sessions and are a profitable part of these meetings.

The Seattle Chapter is to be complimented on choosing the Edgewater Inn as the site for this conference. The facilities and hospitality were excellent and the location convenient.

The Region Coordinating Council Meeting resulted in an increase in Region dues (paid out of Chapter dues) from \$5 to \$8 over a two year period, \$1 now and \$2 next year. (incidentally, the Portland Chapter dues increase will take effect in 1990, because the Institute needs to be informed of any dues increase by March 1, and we didn't vote on this issue until May!)

We've had a good year, on the whole. Our meetings generally came off without a hitch - we had more seminars than in prior year and certainly attendance was up! By all accounts the Products Fair was a success, thanks to Arnie Wake and his committee and Curtis Finch, who corralled many architects through a letter campaign and calling committee. I received a number of positive comments. We are all pleased!

Now, at our June meeting we will introduce the new Board and Committee Chairs and the new Chapter Leaders. The Program Committee has arranged for us to meet at the Construction Library for supper and distribution of awards.

If you haven't seen "our" library, now is your chance! We're at the Multnomah County Library, 10th and Yamhill, Portland, Oregon.

See you there!

New Officer Slate for Fiscal Year 1989 - 1990

The newly elected officers and appointed committee leaders for the coming year are as follows:

President - Tom Shea
President-Elect - Dennis Obert
Secretary - John Kehrl
Treasurer - Jim Davidson

Board Members, Professional:

Dick Burgess
 Arden Newbrook
 Candace Robertson
 Bruce Townsend

Board of Directors, Industry:

Steve Miller
 Andy Cleveland

Committee Leaders:

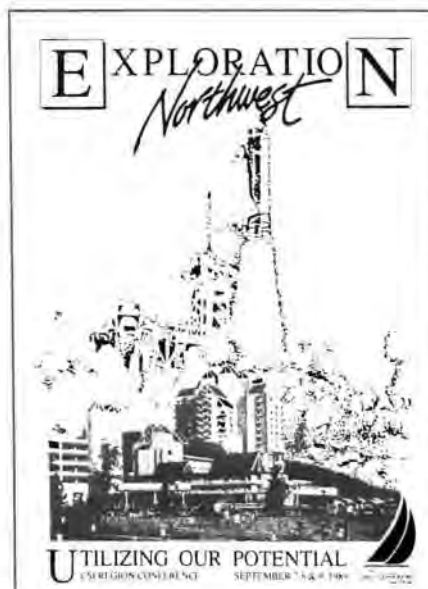
Awards - to be announced
Certification - to be announced
Editor - Kevin Martin
Education - Dennis Obert
Hospitality - Trasi Hogenhout
Liaison - to be announced
Library - Candace Robertson
Long Range Planning -
Membership - Lee Kilbourn
Products Fair - to be announced
Programs - Mike Bowles
Technical Documents - John Lape

Region Responsibilities:

Region Newsletter Editor - Ken Searl

Region Directors:

Jim Robertson - Willamette Valley Chapter
 Les Seeley - Portland Chapter



Board Report

Minutes of April 4, 1989 Board of Directors Meeting

Present: Inga Vrla, Tom Shea, Linda Hewitson, Kitty Myers, Curtis Finch, Paul Wilson, Margie Largent, Linda Bowman, and Dennis Obert.

Absent: Dick Burgess, Arden Newbrook, Mary Hutchins, John Kehrl, Steve Miller, and Jim Hirte.

Guests: Caroline Cauthorn of Coroon & Black.

The meeting was called to order at Noon.

The Minutes of the March 4th and special March 14th Board Meetings were approved as presented. There was no quorum, 60% of voting Board Members were absent.

Treasurers, Kitty Myers and Linda Hewitson: Reported financial standing of the Chapter.

Committee Reports:

By-Laws, Paul Wilson: An amendment has been mailed to the membership reporter, for study and voting at the April meeting.

Education: Dennis Obert (commended by the Board on a fine job this year) reported on a seminar to be held in conjunction with the Products Fair "How to sell to Design Professionals" with Dave Thomas of the Puget Sound Chapter.

Programs, Dennis Obert: Tom Shea will be organizing the May program of "Window Walls", the June program is still uncertain.

Awards: No report.

The Predicator, Linda Bowman: Reported on Publication

Committee meeting on April 3, 1989 which included past, present and future newsletter editors.

Products Fair, Curtis Finch: Arnie, Les and Curtis met March 27, 1989. Booths selling well, no problems.

Nominations, Curtis Finch: Tentative slate to be presented at April meeting with any nominations from floor will be mailed to membership in time for vote at May meeting.

Old Business: None.

New Business: Ms. Cauthorn presented the Chapters' 1989-1990 insurance policy and explained the regular coverage. A committee (Tom Shea, Linda Hewitson and Kitty Myers) will meet with Ms. Cauthorn and CSI member Suana Nicholson to study the insurance that we regularly carry against our actual needs and By-Law requirements.

Meeting adjourned at 1:10 pm.

-- Respectfully submitted,
Margie Largent, Executive Director --



Congratulations to the
Chapters' newest
**Certified Construction
Specifier
and
Construction Documents
Technologists,**

**John B. Lape, CCS
and
Corwin Hymes, CDT**

(way to go guys!!)

Next Meeting

Meet the Library

(Continued from Page 1)

time to set our sites and focus on making next year even more successful for you the members and the entire construction industry.

And finally, you will have the opportunity to take a first hand look at the **Award Winning Construction Library** that was developed jointly by CSI, AGC, CECO, AIA, PGE and the Multnomah County Library a little over a year ago. The Portland Chapter CSI won a **1988 Institute Commendation Award** for this joint effort which is the nation's first cooperative construction library housed in a public library. This is one place where members of the construction industry can go and expect to find the information they need. Come and see first hand from 5:30 to 6:30 pm what is housed in the library that may be of value to you and hear Candace Robertson, the Library Committee Leader and John Brockamp tell you how to use it, and the benefits of its services.

Because of the ordinances restricting monies changing hands at the Library, *this month only*, you must pre-pay for your dinner. Please use the enclosed mailer, fill in the blanks, enclose your check payable to CSI, fold, staple and mail before June 10th.



BS by KS

Basic Specs by Ken Searl



It appears the nation's architects have not adopted a position or even acknowledged the existence of forensic-type activities within the realm of architecture.

For those of you that haven't noticed a new buzzword has appeared on the construction scene and that is "Construction Consultant." You may ask, what is a construction consultant. He or she is one who provides "expert services" primarily in litigation cases. This group is also known as Forensic Architects and Engineers. (My dictionary describes forensic as pertaining to, connected with, or used in courts of law or public discussion and debate.) In effect it seems to me a construction consultant is set up to be an expert endeavoring to replace other architects and engineers as "experts". It appears the nation's architects have not adopted a position or even acknowledged the existence of forensic-type activities within the realm of architecture.

One person suggested all of this is just a passing fancy. I don't think so, not as long as our construction climate and our country in general is so all fired eager to sue at the drop of a hat. (An old expression my father used. Doesn't really apply today because not too many hats are out there to drop.) As I remember many folks thought when construction managers appeared on the scene it would be a fad and hopefully short lived. As you know this didn't happen although

it has simmered down to a workable level in most cases. The main secret to having a good working relationship with a construction manager is to sit down prior to the difference, solve them and then proceed with the project. This may sound simple but it works.

In the April 1989 issue of *Sun/Coast* magazine there is a good article beginning on Page W-15 entitled "Construction Consultants Provide Industry-Wide Support." One claim by a construction consultant is that they can be retained by mutual agreement of both parties in a construction defect dispute. In turn this can permit a settlement to be mediated without the cost of opposing experts.

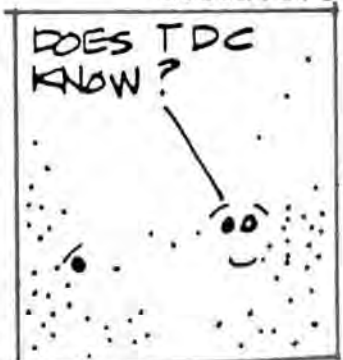
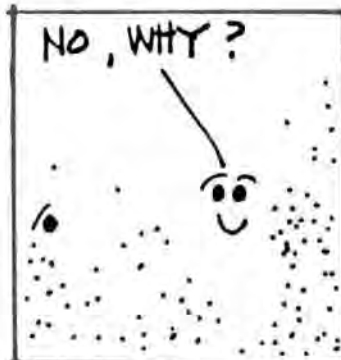
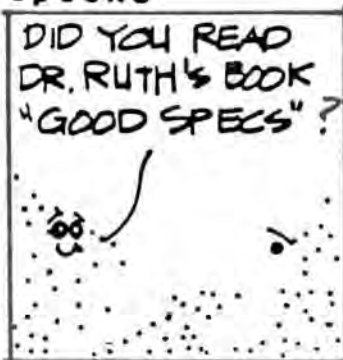
Let's talk a bit about mediation. In many contracts there is a binding arbitration clause. It is generally considered better to try mediation before going to arbitration. It is much cheaper and less formal than arbitration. If an agreement cannot be reached then it is time for arbitration. Mediation does not negate the arbitration clause. I have been told the American Arbitration Association has a 75 percent success rate with mediation. I don't believe mediation is too well understood at the present time and I suggest investigating this method of solving disputes.

PS to BS by KS

For those of you that are still using the Portland Chapter Substitution Request form dated 7/82 please change to the CSI Northwest Region form dated October 1986. If you don't have any, let me know and I will send you a Jim Dandy clear and crisp copy. You may also place your company name, etc. on the form where indicated and have some printed for your use.

Ken Searl is a Spec Writer for WEGroup Architects in Portland and Eugene.

specks



alclatore

NW Region Leadership Conference



Cheesy, cheesy, cheesy: *John Lape-e-sey*

The Northwest Region Leadership Conference was held at Seattle's Edgewater Inn April 22nd and 23rd. The hotel overlooking Puget Sound was a perfect setting for the retreat. Those attending from the Portland Chapter were Inga Vrla, Margie Largent, Linda Bowman, Mary Alice Hutchins, John Lape, Ken and Wilma Searl, Dennis and Sandra Obert, Kevin Martin, Dick and Rose Anne Gira and Gene

Andrews.

Saturdays' program consisted of discussions lead by the Institute Technical Documents Committee Leader, Alan Tokugawa, Institute Education Committee Leader, Jeffrey Jeffers and Region Education Co-Chairman John Brockett.

The guest speakers at Saturday nights dinner party were Jonathan and Susan Clark, consultants and presenters who teach effective business and management principles to executives and managers. Their presentation to our group was "How to Thrive in This Era of Accelerating Change, Exploding Complexity and Rising Competition". One of the highlights of their talk was a demonstration of entrepreneurial spirit played by 5 CSI volunteers. Each person was

presented with a set of rings and a spindle and given only one rule, "get the rings onto the spindle". As the crowd heckled and taunted the volunteers to step forward and drop the rings on the spindle, two of the people stood back, aimed, and tossed. Even though these people missed they showed great willingness to take chances.

Sunday morning was very busy with roundtable discussions, a very helpful part of the Region Conference. Committee leaders have the chance to share concerns with their counterparts from other chapters and learn creative approaches to the same problems.

Plan on attending next years' leadership conference in Sunriver, it's well worth your time.



Education Committee Workshop



Exercising the entrepreneurial edge: *presenters Jonathan and Susan Clark and Margie Largent*



Alan Tokugawa



Sandra and Dennis Obert

NEXT SEMINAR

Wednesday
June 14, 1989

PANEL DISCUSSION
Cabinet Hardware

TIME
11:30 am - 2 pm

COST
\$15 for CSI &
IBD Members
\$20 for Non-Members

LOCATION
Red Lion Coliseum

RSVP
Dennis Obert, 245-7802

Attention:

Industry members with Cabinet Hardware products are invited to display products and literature on table tops at the June Seminar.

Cost is \$25. **Rental of a table top will enable one person to attend the Seminar at no charge.**

Call Margie Largent at 620-6573 to reserve a table.

Chapter News

Cabinet Hardware Seminar

Cabinet Hardware will be the subject of a CSI seminar to be held on Wednesday, June 14, 1989 from 11:30 am - 2 pm at the Red Lion Coliseum. A panel of six industry experts will present information on drawer slides, "domestic" and "European" types, cabinet locks including tumblers and keying, hinges, sliding and bi-fold door hardware, adjustable shelf support hardware including strength tests and other related topics.

The panel will consist of:

- **Richard Fuerbach** of *Knappe and Vogt*
- **Todd Wilson** of *National Cabinet Lock*
- **Jim Clingan** of *Grant Hardware*
- **Jerry Taylor** of *National Builders Hardware*
- **Dennis Milsten** of *Westmark Products*
- **Edward Loy** of *Lemons Millwork*

Cost will be \$15 for CSI and IBD members and \$20 for non-members.

If you or someone in your firm would be interested in attending this very informative meeting, call Dennis Obert at 245-7802 before June 12th.

Chapter Directory Distributed

The 1989 directory of members of Portland Chapter CSI has been distributed to those individuals listed as current on the official Institute Chapter Roster dated April 30, 1989.

Classified ("yellow") pages were not included this time due to lack of current data about a significant number of Chapter members. Classifications were included for those individuals known to the volunteers preparing the Directory.

If you'd like to assist in the research for the next edition, collecting FAX numbers, establishing classifications, or in other manners, please notify any chapter officer or a member of the Chapter Board of Directors. They'd also like your comments on the new format.

If you'd like to report an error in your listing, please call or write the Chapter office listed on the back cover of the Directory.

Each member of the Chapter is entitled to one copy. If you think you should receive a copy of the Directory, please call the leader of the Membership Committee listed on the back cover of The Predicator.

1989 DIRECTORY



Portland Chapter

Advancement of
Construction Technology

Chapter News

The Last Word

Publishing a newsletter, especially a monthly issue, takes an enormous commitment by the Chapter and the persons directly responsible. I can't thank enough the people who have been so helpful and conscientious in submitting articles, proofreading, answering the thousands of questions asked, coming up with programs and seminars, forwarding tidbits of information and writing columns for each issue and in general, making The Predicator a success.

Special thanks to Roy Josi for his great front-page stories, Inga Vrla for her informative Presidents' Messages, Secretary Jim Hirte for his timely and well typed

Board Reports, Ken Searl who without his article we would have half the interest in our newsletter (I don't know how you do it Ken, month after month, but I'm glad you do). Thanks go also to Margie Largent for her investigative work and last but not least Lee Kilbourn for knowing so much about CSI, nothing or almost nothing gets past his critical eye and red pen.

I look forward to new challenges next year helping Ken Searl with the Northwest Region Newsletter.

Next years' staff will be Kevin Martin as editor and his chief assistant Gunnar Forland whose membership check is in the mail. I wish them all the best and promise to be around if needed. --Linda M. Bowman, CSI

Editorial Staff

Linda Bowman, Editor
226-1575

Trast Hogenhout, Advertising
226-1311

The Predicator is the official newsletter of The Portland Chapter CSI, published monthly, September through June.

Articles for publication must be typed or clearly printed and received by the 10th of each month.

Please send articles for publication to:

Linda Bowman,
c/o BOOR/AArchitects
733 NW 20th Avenue
Portland, Oregon 97209
503/226-1575

Other CSI business should be directed to:

Portland Chapter CSI,
215 SW First Avenue
Portland, Oregon, 97204,
503/223-8231

Come Let The Good Times Roll

at the

CSI Convention/Exhibit

—That's June 23-25, 1989 in New Orleans



**Come on Down and
Strut Your Stuff!**

**Offering More Than 40
Education Sessions and
948 Exhibit Booths**



CDT Program Allows Graduates to Use Initials

Graduates of the Construction Documents Technology Program (formerly the Certificate Program) can now display the initials CDT after their names to demonstrate their knowledge of construction documents. This name change, approved by the Board at its February meeting, provides more visible recognition for successful candidates and more accurately describes the program's intent.

Portland Chapter Leaders, 1988-1989

President-Inga Vrla	635-6227
President-Elect- Tom Shea	760-6433
1987-88 President- Curtis Finch	636-9270
Secretary-Jim Hirte	244-0843
Treasurer-Linda Hewitson	624-0865
Executive Director- Margie Largent	620-6573

Board of Directors

Dick Burgess, Prof. '90	226-2921
Mary Alice Hutchins, Prof. '89	223-2920
John Kehrli, Ind. '89	644-7102
Steve Miller, Ind. '90	286-2228
Arden Newbrook, Prof. '90	222-4470
Paul Wilson, Prof. '89	636-9768

Committee Leaders

Awards-Tom Clucas	206/254-8952
By-Laws- Paul Wilson, CCS	636-9768
Certification- Ray Totten, CCS	635-4425
Editor-Linda Bowman	226-1575
Education- Dennis Obert, CCS	245-7802
Finance-Betty Bellwood	231-5000
Hospitality-Andy Cleveland	620-1014
Liaison-Dick Burgess	226-2921
Library- Candace Robertson	222-3753
Long Range Planning- Don Eggleston	228-6444
Membership- Lee Kilbourn, FCSI, CCS	224-3860
Nominations- Curtis Finch	636-9270
Products Fair- Arnie Wake	252-1812
Programs-Steve James	288-5195
Publicity-Roy Josi	691-3944
Technical Documents- John Lape	243-2837

Region Responsibilities

Region Trustee- Jim Davidson	226-3508
Region Publications- Ken Scarl, CCS	223-1181

Region Directors

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

James M. Robertson, FCSI, CCS
Robertson/Sherwood/Architects
96 East Broadway, Suite 6
Eugene, Oregon 97401
(503) 342-8077

Institute Responsibilities

Technical Documents Committee- Bob Klas	644-4222
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Institute and Portland Chapter dues for one year are: Institute \$130, Portland Chapter \$20, total investment \$150. Please send your check payable to Construction Specifications Institute, c/o Lee F. Kilbourn, FCSI, 215 SW First Avenue, Portland, Oregon, 97204.

The Predicator

215 SW First Avenue
Portland, Oregon 97204

Address Correction Requested

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