

# the predicator



vol. 18, no. 1 construction specifications institute, portland chapter 36 Sept., 1978

## MEMBER AWARENESS

of the 23 awards given in the annual specification competition (116 judged) top multiple-award winner is LEE KILBOURN Portland, Oregon



Category B—Public Bldgs. Honorable Mention

Category C—Commercial Bldgs. Honorable Mention

Category D—Institutional HONOR AWARD

Category G—Industrial Honorable Mention

LEE has won every year since 1974

PAUL EDLUND, Eugene, Or. won Honorable Mention in Category A—giving Oregon 5 of the 23 given nation-wide 22% for the Northwest Region CSI

+++

LARRY BROWN FCSI 78 congratulations! Vice President Larry says in his institute report that we need better prepared leaders—and lists some prerequisites for leadership—WORK, WORK, WORK —And Larry asks for 'men of perseverance with common sense Larry has worked for his 'fellowship which was invested at the president's banquet in San Antonio. Ts

## Alan Larry Brown Named Fellow

Alan Larry Brown was invested as a Fellow of The Construction Specifications Institute during ceremonies June 21 at the CSI Convention in San Antonio. Brown, an industry member of the Portland Chapter, is an architectural-service specialist roofing/ceiling, Materials Manufacturing Co., Owens-Corning Fiberglass Corp. He is currently serving as a vice president of the Institute. He served the Institute as member, Technical Documents Committee, 1969-70. In Region activities, he acted as co-chairman of the Inter-Chapter Ad Hoc meeting in 1972, and served as Region Director's Appointee to New Chapter Formation in 1971. His chapter activities began in 1964 when he joined CSI. From 1965-74, he served as a delegate to region confer-

*continued p. 3*

## PRESIDENTS COLUMN BOB KLAS

As we begin a new season of C S I activities it seems appropriate to share a few impressions of the Twenty Second Annual Convention in San Antonio, held June 18th thru 21st

The Portland Chapter was represented by Mary Alice Hutchins, Larry Arnold, The Kilbourn Family, Mr. & Mrs. Rod Moorman, Mr. & Mrs. Ken Saari, Mr. & Mrs. Robert Stricker, Mr. & Mrs. Gordon Todd, The Don Walton Family, The Larry Brown Family, and The Klas Family

Although it was entirely too hot outdoors and too cold in the air conditioning for this Oregonian, San Antonio is an unparalleled city for conventions. The local calendar is booked every week, from large gatherings like the National VFW, with 3,000 estimated attendance, to small groups to 200 to 300. The estimated attendance of the C S I convention was close to 4,000. These statistics cause me to wonder why people ask what C S I means

The convention scheduled 3 days of morning and afternoon technical sessions, with the midday reserved for viewing exhibits. Ten hours were allocated to view over 210 individual exhibits. A body had to keep moving to find out what was happening in the industry

*continued p. 2*

## B. S. by K. S.

There are now seven certified construction specifiers in the Portland Chapter, six by way of taking a test (six of our members took the test on April Fool's Day and by golly all passed) and one by the Grandfather's Clause. I understand there will be one or two more entries in our chapter under the Grandfather Clause. In fact, Mary Alice Hutchins was telling me she was thinking of applying. If she did apply and is accepted, does that put her under a Grandmother Clause? ERA look out

Hope you all had an enjoyable summer out there. Lots of happenings are being planned for our chapter in the forthcoming months. Keep your eyes open for what's coming up

*continued p. 4*

## CALENDAR (Mark Your Calendar)

### SEPTEMBER PROGRAM

WHAT IS STATE LAND USE PLANNING DOING TO THE CONSTRUCTION INDUSTRY?

— a forecast by Victor Atiyeh, Senator from Beaverton

Date: September 12, 1978

Place: Mallory Hotel, 729 SW 15th

Time: 5:30 social hour

6:30 dinner \$6.50 inc. grat.

7:30 program

Reservations: Yes, call CSI office

233-8231 Janet No

later than noon Sept. 11

Remember you are welcome to come to the program only. A seating break is scheduled for 7:20 pm

### A SUMMER PICNIC

Date: September 10

Time: Noon to 6:00 pm

Place: Champoeg State Park, #3 Oak Grove area Shelter nearby

Bring: Family, food, table service (beer and pop provided), wood (fireplaces provided), gear for volleyball, soccer, badminton, etc. inc. bicycles

R S V P By Sept. 5

Mary Ann Klas — 646-1676

Joy Moorman — 284-8822

Perky Kilbourn — 244-1778

### UP COMING EVENTS

Chapter Board Meetings: Thursday noon following chapter meeting — at CSI office Open

(Thursday following second Tues)

Region Administrative Meeting

Date: October 20, 1978 SeaTac

Hyatt HS

Region Conference: April 1979

Orcas Island, San Juan Islands, WM

National CSI Convention: June 1979

Cincinnati, Ohio

### SCHEDULE '78-'79 OUR TWENTIETH YEAR

*see page 3 col. 3*



### Board of Directors' Meeting — June 15, 1978

The meeting was called to order at 12:05 by President Bob Klas with the following people in attendance: Ashton, Eggleston, Jones, Kilbourn, Klas, Largent, Lundy, Moorman, Murphy, Samuels, Sampier & Seeley.

Minutes of the May Board meeting were read and corrections were as follows: Paul Edlund is from Eugene and not Seattle — Treasurer Don Ashton's report was a preliminary report only.


*Correspondence* A thank you note from Bev Simon was read and noted.  
**continued p. 7**



The Masonry Institute of Oregon has appointed Mr. Thomas C. Young as Executive Director. Mr. Young has worked in the masonry industry for the past six years. This experience includes three years as Director of the Arizona Masonry Guild and three years as General Sales Manager for Superlite Builders Supply, a concrete block manufacturer.

Tom graduated from the University of Utah with a Bachelor's Degree in Civil Engineering. He is a member of the Structural Engineers Association and the Construction Specifications Institute.

*If you have a question concerning any type of masonry construction, call 224-1940. If the answer isn't at our fingertips we'll get it for you.*



**Masonry Institute of Oregon**

THOMAS C. YOUNG  
Executive Director

0130 S.W. Penneyer  
Portland, Oregon 97201

(503) 224-1940

### OUR MEXICO CITY TRIP AFTER THE CONVENTION IN SAN ANTONIO OR A TALE OF ONE CITY.

Our Portland group consisted of eleven persons who journeyed on to Mexico City for a four-day visit. After talking to the rest of the gang the consensus of opinion was that we all had a very good time and had a lot of interesting happenings.

To start off, Wilma Searl and Larry Arnold both bought pinatas at San Antonio and hauled the blamed things down to Mexico City and then clear back to Portland. Some people will do anything to get something unusual back home. Mary Alice Hutchins was the first one to climb one of the pyramids and that takes some doing at an elevation of over 7,500 feet above sea level. One thing we all learned is that you can't out-barter a local street vendor. Don Walton and Ken Searl haggled with a local street vendor over the price of some bracelets. Don got the guy clear down to seven dollars from an original eighteen dollars so they bought four bracelets. Well, you guessed it! The next day we stopped at a government gift shop and yes, they were selling them there for four dollars. Bob Klas and his family soon learned when you cross Reforma Boulevard you run like hell if you are not at an intersection because the drivers get points for hitting pedestrians. Also, Mexican drivers either don't have turn signals on their vehicles or they don't bother to use them. Some of the drivers there drive very fast. Helen Strickler had her eyes covered up half of the time on the way back to the airport. One thing, though, with Larry Brown in our crowd we did not meet any Mexicans who tried to intimidate us. The weather was very nice and we all enjoyed ourselves very much and none of us got Montezuma's Revenge of the Aztec Two-Step. However, those natives down there did charge us 100 pesos for a departure tax so if we had any money left, they grabbed it at the airport. Ole!

### Report of the Secretary George S. George, FCSI

As of this writing in mid May, Institute membership has passed the 11,400 mark and by the end of the fiscal year on June 30, 1978, a new record is expected to have been established with some 11,600 members. Currently, the ratios of membership by classifications are—Professional-51.1%, Industry-42.5%, Junior-1.1% and Student-5.3%.

There are 134 CSI chapters.

### PRESIDENTS COL. (cont'd.)

The technical sessions were varied and interesting, presenting the owners, designers, suppliers and contractors point of view. They began with a fine talk on "retention" and other concerns by Mr. McNeil Stokes, attorney, who is participating in historic decisions before the Supreme Court. A number of sessions focused on government involvement in the construction industry — a subject to which we should all give very careful attention.

The role and future of CSI was discussed at length — including very interesting presentations on automated specification writing and information retrieval.

The Chapter President's meeting gives one a feeling how Chapters around the country are functioning. Some, including the Portland Chapter, are better than others, but we all have similar problems — attendance and membership involvement. We are all striving to improve the quality of our activities. Please share any ideas you may have.

The Annual Business Meeting rejected three resolutions.

That Chapter affiliation should be required for all members within 50 miles of a Chapter.

That the designation of industry member should be changed to technical member.

That more signatures should be required to nominate a person by petition for National office.

I came away from that meeting with a feeling that the membership can usually be counted upon to select the best course, the discussion is such that a good idea will eventually prevail, and a poor idea will fail.

While we sometimes think that easterners do not pay enough attention to us out here west of Illinois, Larry Brown's advancement to Fellowship and Lee Kilbourn's 4 specification competition awards, gave the Portland Chapter its share of recognition.

Perhaps the nicest part of the convention was meeting and sharing ideas with people from all over the country. One really gets a feeling for the state of the industry, and what CSI is about. The people of San Antonio were delightful, interesting and genuinely concerned about improving the standards of our art and industry. My personal observation is that anyone not up to the above standards would probably be uninterested in CSI.



**ANNUAL MEETING — DOCKSIDE**

Membership increased from 137 to 185 reported Hunt Jones, membership chms '78 and five new members were introduced

AWARDS were numerous —

•1 each to Don Eggeston & Joe Healy for Products Fair (See p 4 June Predicator)

•Margie Largent — award for the successful '78 region conference at Timberline Lodge

•Don Ashton — award for his work as treasurer

•Larry Arnold — award from the chapter for his work as president — plus a special recognition from the institute for chapter presidency

• "High order of the Green Weenee" A special high honor bestowed (for the first time) upon three worthy recipients, Ken Searl, Tom Shea, and Lee K.

•Presentation of Mrs. Robert Klas of two ample doses of "patience" and "under-

standing" — in the form of gallon jugs of colored liquid (water?) to bear her up during the coming year

•Lee Kilbourn — award for his continued contribution to the technical documents committee

Following the business meeting dockside the Willamette Pacific a former Coast Guard cutter owned and made available to us through the "Willamette Western Corporation" hospitality Mr Jack A Trachsel our host, gave those attending a brief history of the 1914 vessel

The caterers made ready a dinner of ribs, roast beef and chicken with salads, cheese cake and fellowship — as we sailed south toward Lake Oswego and returned at dusk

But the evening was the highlight of the year and we thank Mr. Trachsel and Willamette Western Corp.

**LARRY BROWN FCSI cont.**



ences, and from 1966-73, he served as a member of the chapter technical committee. In addition, he has served his chapter as board member, delegate to the 1968 annual convention, membership chairman, member-nominating committee and public relations chairman. In 1970 he received the chapter President's Award and Chapter Certificate of Appreciation

CSI is a national technical society with 132 chapters across the nation. Located in Washington, D.C. the Institute serves as a national clearinghouse for architects, engineers, and other members of the construction team whose primary concerns are specifications and communications. On June 18-21, 1978, CSI held its 22nd Annual Convention and Exhibit in San Antonio, Texas

**SCHEDULE OF EVENTS**

1978-1979 our twentieth yr integrity in construction

OCTOBER 10 program FIRE! Code Interpretations, Design Considerations, Coordinator Don Walton, CSI

NOVEMBER 14 program PAINTING Problems in Specifying and Bidding — Colors? Coordinator Gordon Van Antwerp,

DECEMBER 12 program ENERGY Codes, Regulations Applications, Specs

JANUARY 9 program HARDWARE—Unlocking the Mysteries of Finish Hardware Coordinator! Ken Searl, CSI

FEBRUARY 13 program HAZARDS to the Worker, Specifying, Liability, etc


MARCH 13 program MOISTURE CONTROL

APRIL 10 program PRODUCTS Legal Aspects

MAY 8 program DESIGN — BUILD

JUNE 12 program OWNER Looks at Specs.

Watch this column for changes & additions. Let the editor know of coming events



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**JANET HILL** — our new CSI office helper and assistant to AIA's new Chapter Executive (Bev is home after a wonderful trip to Europe)

Janet is a native of Portland, Oregon, and was graduated in 1975 from Oregon State University in Home Economics-Interior Design



**JOAN E. SWINNEY**  
CHAPTER EXECUTIVE PORTLAND CHAPTER AIA

Joan's education & training seem to fit her for the job — University of Oklahoma, BA '66, English/Speech, Lewis and Clark College, M.A.T. '75, English/Counseling, Portland State University, 18 hrs continuing ed. English/

**BS BY KS (cont'd.)**

One thing our chapter is doing is that we have a committee going to produce a page format for recommended use in the Portland area and elsewhere hopefully. When we were at our last snow bound Regional Conference in April at Mount Hood, Oregon, one consulting engineer from Spokane or Seattle stated that he had to write his specifications 27 different ways to suit 27 different architects, all claiming to be using the CSI page format. Well, by golly, this statement really grabbed several of us here in the Portland area and a decision was made to try to do something about this situation. A page format committee was formed and has met once prior to writing of this article and it was decided at that time that it was impractical to come up with a complete page format that would satisfy everyone so it was decided that the recommended format would exclude the page headings and information at the bottom. It was discovered that typists do not like to worry about information at the bottom of the page being in the exact same position each time. Now, if you are using a computer version or CRT automated specs, this item is not important but for those offices typing their own specifications, it is most important. At the next meeting of the page format committee, a suggested page format sample will be presented and if that is accepted by the committee, then copies will be sent to all listed architectural firms, specification writers, and consulting firms in our area for review and comments. It is noted that this suggested format will be patterned after the CSI suggested page format as close as possible. If any of you out there have any suggestions or input on page formats, stand up and let us hear from you.

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

Verill H. Friedrichsen (Industry)	Frazee's Creative Wallcoverings 3249 N.W. 29th Avenue Portland, Oregon 97210	226-6793
Raymond S. Smith (Professional)	Stevens, Thompson and Runyan, Inc. 5505 S.E. Milwaukie Avenue Portland, Oregon 97202	234-0721
Thomas F. Benz (Industry)	Benz Air Conditioning 3822 S.W. Corbett Portland, Oregon 97201	228-7296
J. S. Beukema (Industry)	Armstrong Cork Co. 9040 S.W. Olson Portland, Oregon 97223	234-0281
Bruce Purdy (Industry)	E.P.I. 16600 S.W. 72nd Portland, Oregon 97223	620-1920
T. L. Kimmell (Professional)	McGinness-Kimmell Mechanical Engineers 10615 S.E. Cherry Blossom Dr. Portland, Oregon 97216	252-2434

**NEWS FLASH!**

Your President-Bob Klas, your editor-Margie Largent, your columnist-Ken Searl attended the Willamette Valley CSI chapter meeting — Thurs July 27. A good program on ROOFING and some discussion of the 1980 Northwest Region Conference (host chapter W.V.), to be at the Embarcadero at Newport, OR. Approx. dates — April 18, 19, 20 — which is also the anniversary of the San Francisco Earthquake!

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**Regard to all — Jesse Wilkins, Director N.W. Region**

If I learned nothing else by going to San Antonio, I now know that it gets HOT in Texas! Those N.W. Region members that attended the Convention will attest to being in one of the most uncomfortable places in the whole world. I am sure.

While the weather was hot, the meetings were not. The Informal Board Meeting, held Friday evening, June 16, was tame and short. The Board Meeting held Saturday, June 17, was the shortest Board Meeting I have attended — lasting just a bit over three hours.

Items discussed at the Board Meeting and decisions made were as follows:

1. At the February Board Meeting a motion to approve a study to identify anticipated problems and trends in the construction industry through 1990, and that the Board authorizes acceptance of financial participation from other nonprofit organizations, sharing appropriate recognition, with the understanding that CSI in any instance would retain primary control and direction of the research was postponed until the June meeting. At the March 18, 1978, Executive Committee Meeting CSI President Sams reported that he has accepted CSRF's offer to conduct said study to make all research reports and findings available to CSI without charge other than routine administrative support while the project is in progress. The Executive Committee supported the president's decision.

The postponed motion before the Board was withdrawn in light of the action taken by the Excom.

2. The Board appointed William R. Mincks as the industry N.W. Region Director to fill the unexpired term of K. Richard White.
3. The Board ratified the FY 1979 Institute Budget.
4. The Board ratified FY 1979 Institute standing committee appointments.
5. The Board approved the selection of Denver for the 1987 convention and Indianapolis for the 1988 convention.
6. The Board re-established an annual Institute Awards Committee Meeting. This committee had been accomplishing their work by mail and telephone, a very difficult thing to do properly.

7. A recommendation regarding the Cal Poly Pomona Student Chapter was withdrawn to enable action as required by the Bylaws and subsequent consideration by the Board.
8. The Board approved a recommendation to amend the Rules of the Board Art IX, para H, by inserting the word "continuous" referring to the service required to be eligible to receive a membership chevron as produced by the Puget Sound Chapter.
9. New Business Items
  - a. The incoming Convention Committee was requested to consider including more programs for the Industry Members. It was also requested that more programs for the Industry Member be provided educationally and technically.
  - b. It was requested that consideration be given to allowing the Board Member selected by the Region Directors as the moderator of their Informal Meeting to attend the Executive Meeting held the day of the Informal Meeting.

**William R. Mincks**, Region Director (Industry) Construction Specifications Institute. Finishing Term for Richard White. Spokane Bill is a partner in Mincks Construction Company, W. 1712 — 14th Avenue, Spokane, Washington 99204 and has a B.S. in Building Theory and Practice (Construction Management), Washington State University 1971.

He has been an Industry Member, Spokane Chapter C.S.I., Since March 1973.

Chapter Activities  
 Vice President/Program 1974-75  
 Board Member/Technical 1975-76  
 Treasurer 1976-77  
 Secretary/Membership 1977-78

Chapter Awards  
 Presidents Award 1975  
 Presidents Award 1977

Regional Conferences  
 February, President's Meeting, Portland 1976  
 Region Conference, Seattle, Delegate 1977  
 (Spring) Region Conference, Spokane, Delegate 1977  
 October, Coordinating Council Meeting, Seattle 1977  
 Spring Region Conference, Portland, Delegate 1978  
 Coordinating Council 1978  
 Screening Committee Member 1978

Institute Conventions  
 Delegate, Portland 1974  
 Delegate, Denver 1977



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**James F. King**  
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**After 20 Yrs.**

**The Construction Specifications Institute**

**Portland Chapter's History Review**

First meeting held was in 1959 with the first draft of the Chapter Bylaws dated April 2, 1959. Apparently the first Chapter meeting was held in the month of June 1959, attended by twenty people. This Chapter was the sixth on the west coast. First Chapter Bulletin which appeared on a single sheet of pale green paper announced that monthly meetings would be held at the NECA Building, 1873 S.W. Sixth Avenue, now demolished. First Chapter President was Lowell Anderson, Vice President Ralph Appleman, and James Hickey, Treasurer. In November of 1959 "The Predicator" Newsletter first appeared. Attendance listed twenty five at the December 1959 meeting.

cont'd. on page 6



**AFTER TWENTY YRS. cont.**

In January 1960 the Chapter was still operating without a charter from the National CSI. In fact, it was a year before charter was received. It was in 1960 that a regional organization was established with at least one meeting to be held each year. During these early years the CSI format was still being kicked around. In fact, the Puget Sound Chapter proposed a 19 Division Format.

The Chapter finally received its charter and settled down to business including contributing several massive technical studies. Meetings were now being held in the NECA Building at 4343 S.W. Corbett.

In 1965 Portland hosted a Regional Meeting with Spokane, Puget Sound and Willamette Valley Chapters attending.

It is interesting to note that the charge for this one-day conference was \$2.50 per person. Also in 1965 a new format was developed for "The Predictor" and it was now a four-page publication complete with paid advertisements. In 1965 dues were \$25.00 a year for National plus Local, and Joe Gascoigne was appointed Executive Director of the Construction Specifications Institute.

In May of 1966, by a vote of 18 to 6 in favor, the Chapter voted to present a bid to sponsor the 1974 National CSI Convention in Portland. This was accepted by the Institute and from that moment on there was a lot of scurrying and planning until Convention was over.

Dick Ehmann was the Regional Director during these years. Meeting place for Chapter is listed as Pardue Building, 3607 S.W. Corbett. However, during October 1966 Chapter meetings were moved to NECA's new building at 601 N.E. Everett across Sullivan's Gulch from Sears. In late 1966 or early 1967 Chapter was incorporated under the laws of the State of Oregon.

In 1967 Regional Conference Guidelines were established. Also, the Fourth Annual Region 12 Conference was held in Seattle for three days in lieu of one day. J. Donald Kroeker was elevated to a fellowship in the American Society of Mechanical Engineers. It is also noted that membership was growing and Chapter meetings were now around forty people.

In 1968 membership of CSI nationally had grown to 10,000 with 99 Chapters. Dick Ehmann was nominated and elected to the office of Institute Vice President.

In 1969 Portland Chapter hosted the Sixth Annual Region 12 Conference at the Cosmopolitan Hotel in Portland with 115 people in attendance at Friday Night Banquet Regional Conference. Guidelines were revised this year. It is noted that during this year that motions were made to eliminate Section Director and have a Region Director and an Assistant Director. Dick Ehmann was nominated to receive a fellowship and he received it at the CSI National Convention held in Houston. Dick is Oregon's and Portland's First Fellow in the Institute. This year 1969 also marked revision and improvement on "The Predictor."

1970 — By now "The Predictor" has grown to eight pages. This is the second year that Producers Council and CSI hosted a joint meeting at the Roaring Twenties Room of the Hoyt Hotel. In 1970 General Appearance and Format of "The Predictor" was revised. A Chapter Tenth Anniversary was celebrated with a banquet in the Hoyt Hotel.

1971 — Lots of flak back and forth local and national to change the name CSI to something else but it was just flak and died a natural death. This year brought out such items as scope of fast tracking, construction management, and other new items were covered in Chapter meetings. Chapter dues were raised to \$20.00 and our membership had grown to 111.

1972 — It was during this year that our local Chapter established an office complete with telephone at the local AIA office in the Dekum Building, Portland. Also by this time a yearly President Meeting was being held in the region with all regional Chapter Presidents in attendance. Current membership this year increased to 129 members with a fiscal year budget up from very little in 1959 to \$4,650.00. This year we have our first Member Emeritus, Al Hansen, formerly with the Northwest Plaster Bureau.

1973 brought about a revised "Predictor" in bright colors, better printing, and various other changes. In 1973 our Chapter judged the National Specification Competition which was quite a large order with meetings for five Saturdays in a row. Also, many preparations were going on for the 1974 National Convention to be held in Portland.

1974 — Our "Predictor" publication won a National Award. Chapter budget went up to \$5,719.00, partially due to National Convention. The 1974 National Convention was a great success. Our Chapter presented Myrtlewood Perfume Decanters to all ladies who attended the Convention. 1974 also found the "Predictor" being revised with six to eight pages of publications. This year brought about the change of meetings from the NECA Building to dinner meetings scheduled at cafes. Host Reg. 12 conference.

1975 — This is the first year our Chapter presented a Products Fair which was successful. 1975 was also the first year we attended a Regional Conference at Anchorage, Alaska, and our "Predictor" won another award. Our Chapter also has been working on a standard substitution request form.

1976 Saw a continuation of our yearly products fair. Our substitution request form finally finished and now adopted by many specification writers and suppliers. We held our first Specification Seminar in Portland with Hans Meier as our main speaker. Our Chapter was requested by Portland Mayor Goldschmidt's office to host and guide four Japanese business men through several roofing manufacturing plants and warehouses. Ken Searl and Larry Arnold escorted these business men on a two-day tour. This year we had our second member Emeritus, Mr. Don Kroeker.

1977 marked the first year our Chapter President was a lady, an Architect from Lake Oswego. 1977 also marked the year that a program was initiated to certify specification writers to be put in action next year beginning with tests. Larry Brown of the Portland Chapter was elected an Institute Vice President. Our membership is now 170 and our yearly budget is \$17,600.00. Dexter Walter, treasurer, started a new bookkeeping system, we established a CSI library at the CSI-AIA office, purchased a tape recorder, conducted a very successful specification seminar.

1978 Portland hosted the Northwest Region Conference at Timberline lodge. Our theme BLOWING IN THE WIND was so prophetic we had a blizzard. Larry Arnold, out-going president was appointed to participating member of the education committee.

1979 watch for our 20th party!



**BOARD MEETING cont.**

*Treasurer's Report* — Don Ashton presented a complete financial report for the period ending April 30, 1978 (10 months F Y). After review motion was made, seconded and passed to accept his report.

*Technical* — Lee Kilbourn had a special order of business regarding the master list of section titles and numbers. After discussion on whether we sell them or subsidize part of the cost was tabled until our September meeting. However, approval was given to Lee to have 25 copies printed.

*Program* — Rod Moorman reported on the questionnaire which was printed in the May Predicator on "Program Preference". The dinner meeting was the most desirable. There were three entries on the Program Suggestion Contest: Al Stahl — "Back to Basics E V T Specifications N R C A Slide Tape Margie Largent — "How the State Manages" Construction Role in State Construction W R Graham — "Pole Buildings/Glue Lam Design Specification". Margie's suggested program was voted the winner and Margie will receive a pocket calculator.

*Membership* — Les Seeley reported four new applicants totaling 189 members. Motion was made by Rod Moorman,

seconded and passed to give Past President Larry Arnold the opportunity to withdraw his generous offer made to the Board that he buys lunch for every Board Member who brings in more new applications than he. Due to Larry's vast efforts, the Board will buy his lunch. (Too bad he wasn't able to join us for the lunch he bought us at the June Board meeting.)

*Hospitality* — Pat Murphy offered many suggestions and ideas on how to encourage members to attend the chapter meetings.

*Publicity* — Bill Samuels reported his committee will announce the programs at the Chapter meeting and encourage each member to bring non-members for the next meeting. The Board discussed having a traveling slide presentation to sell CSI to schools and agencies. After discussion, it was tabled until a later date.

President Klas announced that the spouses would like to have a summer outing. Motion was made, seconded and passed and a notice will be mailed out announcing when and where.

Tod Lundy announced he will not be able to accept the office of President Elect due to unforeseen circumstances.

The meeting on motion adjourned at 1:35 P M.

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## A two-day seminar

OCTOBER 16-17, 1978

Monday & Tuesday

### Portland

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## to the editor

Dear Margie

The CSI Certification program has received much publicity both nationally and locally. Ivan McCormick made a few reflections of the examination taken by five members of the Portland Chapter in the May issue of the Predictor.

I think it would be of general interest to the membership and perhaps of personal interest to those individuals involved to see in print the names of those members who have been successful in meeting the requirements prescribed by the CSI Board of Examiners and have become Certified Construction Specifiers.

In this regard, I have just received notice from Hans Meier, Chairman, CSI Board of Examiners, that I have met all prescribed requirements of the certification program and will soon receive my certificate. A copy of Mr. Meier's letter is enclosed.

As Specifications Specialist for Portland Public Schools I am required to review and pass judgement on many specifications submitted to the District every year by various architectural firms in this

area. It may be beneficial to all concerned if these very same architects were aware that I have proven my qualifications for the position I enjoy with Portland Public Schools.

I offer the above for your information and use as you see fit.

The best of luck to you as editor of the Predictor.

Sincerely yours,  
Andrew B. Olson  
Specifications Specialist

## editors remarks

Congratulations Andy! The Portland members who took the certification exam and have been informed of their success are: Ken Searl, Lee Kilbourn, John Gatewood, Jim Wright, Ivan McCormick, Stan Nelson.

### BEING EDITOR IS NOT A ONE MAN JOB!

Deadline for material for The Predictor — Friday following the second Tuesday of each month. Please be generous with your articles — typed 36 characters wide — but please be prompt!

### HELP WANTED!

Immediate opening for vice-editor, assistant editor, intern editor, apprentice editor, editor-elect — or flunky editor.  
PAY poor

TIME consuming

REWARDS dead or alive

if any of these openings appeal to you please call the editor (636-6977) after 10:00 am — and before January

our PRESIDENT says — chapter meetings are to end promptly at 9:30 pm and

DON'T let your membership lapse! you'll miss us! we'll miss you, and it is difficult to straighten-out the computer if you are late with your dues.

### SUBSCRIPTIONS NOW AVAILABLE!

Send THE PREDICATOR to your out-of-state friends or suppliers \$2.50 per year will send me to two or three people in the North American continent. Call Ken Searl if you want to know more about subscriptions (233-1181).



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### construction specifications institute, portland chapter

#### the predictor

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M-P





**Gordon A. Morterud, Chief, Portland Bureau of Fire** was appointed Chief on February 1, 1975, and charged with the administration of a \$19 million budget and the responsibility for the operation of 29 fire stations, 683 personnel, and providing fire suppression, prevention, and other emergency services for an area of nearly 100 square miles

Chief Morterud started his career in the Fire Bureau in 1941 and has held the positions of Fire Fighter, Lieutenant, Captain, Battalion Chief, Chief Training Officer, and Assistant Chief. As Assistant Chief, he played a major administrative role in helping the Bureau to attain one of the nation's highest fire defense system ratings

In addition to having instructed fire service management courses at Portland Community College and having served as Chairman of the College's Advisory Board on Fire Service Education, he has also taught fire service subjects for the State Department of Vocational Education. In 1960, he received a "Certificate of Merit" from the Portland City Council for his outstanding contribution to fire service education in the community



**Francis Sargant, Fire Marshal**

## Better than code - When? Always!

J F McPARTLAND, *Editorial Director Electrical Construction Communications Center*

*June '78 Reprint with approval*

For many months now, our magazine has been giving voluminous coverage to the scope and detail of changes in the 1978 National Electrical Code. As a measure of our commitment to the vital role that the great NE Code plays in electrical work, it has long been this magazine's policy to fully and thoroughly analyze each new edition of the code. But each new NE Code edition also should motivate all of us in the electrical industry to focus clearly on another vitally important — but often overlooked — reality about the code: the NE Code is nothing more than the foundation upon which modern, efficient, convenient, and flexible electrical systems are built

As the NE Code says in its own Section 90-1(b), "This code contains provisions considered necessary for safety." In effect, they're saying, "Put in a system that just meets code rules and all you have is a system that is essentially free from hazards." The system may not operate reliably, it may be horrendously inefficient, it may be uneconomical, it may actually be completely ineffective in serving the user's needs. We should never lose sight of this critical limitation: the *only* purpose of the code is to safeguard persons and property from electrical hazards. Code rules are not formulated to assure an electrical system of any necessary or desirable characteristics *other* than safety. And that reality must constantly be factored into application of all code regulations

The art and science of electrical design must, of course, conform to the NE Code — but only as a set of fundamental standards. Such code rules that establish minimum required ampacities of conductors, maximum circuit loadings and maximum or minimum ratings of protective devices are not to be honored as designating optimum conditions. Sizing, loading, and protection of all system components must be based on the whole spectrum of real and important considerations that the mandatory rules of the NE Code totally ignore — such as voltage drop, conductor power

*Cont. p. 2*

## CALENDAR (Mark Your Calendar)

### OCTOBER PROGRAM



**FIRE CODES** — As they relate to plans and specifications processing, construction and use of new and recycled buildings

**DATE** Oct 10, 1978

**PLACE** Osbecks Rose Manor Inn

**Time:** 5:30 Social

6:30 Dinner

7:30 Program

**COORDINATOR** Don Walton, CSI. Will introduce

**SPEAKERS** Gordon Morterud & Francis Sargant

**GUEST** Jess Wilkins, Region Director

**BUSINESS** New member pins & by laws election



**DON WALTON**, CSI, Western Regional Manager, Modernfold Northwest and 1974-76 Editor of THE PREDICATOR

### UP COMING EVENTS

Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open

(Thursday following second Tues)

Region Administrative Meeting

Date October 20, 1978 Seattle

Call Ken Searl for information

Seminar Division 1, Feb 23, 24

Products Fair, Coliseum, April

Region Conference April 1979 Orcas Island, San Juan Islands, WM

National CSI Convention June, 1979 Cincinnati, Ohio





### PRESIDENT'S COLUMN Bob Klas

As The Portland Chapter lurches into its twentieth year it is time to preview some of the activities planned by the committees and the Board of Directors

The Predicator will continue to be a first-rate chapter publication. Under the guidance of Margie Largent, it will be published the first week of every month.

An interesting group of Chapter Meeting programs has been selected for the year (from subjects of general interest to programs about specific divisions). Organized by Rod Moorman, individual coordinators are being selected for each program. With the resulting lead time and variety of input, the quality of our programs will continue to improve. Meeting places are being selected to satisfy as many members as possible.

Don Eggleston and his committee are planning an even larger Products Fair. Negotiations are underway for the Memorial Coliseum in mid-April. It will be a major event with improved facilities and catering services.

Dennis Obert and the Education Committee are developing ideas for short, seminar type, sessions on technical subjects (perhaps in conjunction with other meetings) and a study group for the certification exam. In addition, The Portland Chapter is fortunate in being able to sponsor a major seminar on Division 1 in the early spring. It will be for the entire Northwest Region. Our Chapter Fellows, Dick Ehmann, and Larry Brown will be Co-Chairmen, and the Seminar will be presented by individuals of national stature.

The Technical Committee, chaired by Lee Kilbourn, will be involved in a number of activities. We will continue to contribute to the Institute Technical Aid Series. At the chapter level the Substitution Request Form will be re-evaluated to make it more usable. Formats for Divisions 15 and 16 are being standardized, and a Change Order Request Form will be studied. There is also discussion

about analyzing the published specification monographs to make some of them current and applicable to local conditions.

Editorial limitations have caused me to list only the activities that have direct impact on all the members. I have not named a large number of people who are working hard on these and many other committees. The ideas and efforts of these people make me feel good about the coming year. Of course, we need to have that "6th sense" to keep our acts together and most important, we need the participation and ideas of all the members. Perhaps this has a familiar ring, but I am going to say it once again: Call me with your ideas.

### Code - from p. 1

losses, power factor, adequate spare capacity for load growth, premature thermal damage, equipment efficiencies, system adaptability and flexibility to accommodate alterations and expansion, effective maintenance for long and reliable system operation, the economic needs or demands of each particular system. And electrical design must always strive to incorporate great imagination and innovation in electrical circuit theory and application — an area where the NE Code contributes nothing at all.


In the construction and installation of electrical systems, it is, of course, absolutely essential to know the zillion-and-one code rules that set minimum requirements and dimensions on hanging, supporting, clamping, drilling, sizing, splicing, connecting — and all of the other fittings and hardware aspects of what has been called "the plumbing side" of electrical work. But it should always be the electrical man's concern to know where and how to exceed those minimum regulations to do a better job, to give greater value to the customer. Like when raceways, outlet boxes, pullboxes, and other enclosures are oversized to provide faster, easier conductor installation and to assure ready circuit changes or additions at a later date. Or when stranded branch-circuit wires are used in raceways to provide easy rewiring where it is known there will be frequent circuit alterations. Or when circuit conductors are tied in bundles for ready identification in equipment gutters and boxes. Or when arc-proofing tape is used on feeder groups in pullboxes to isolate each feeder from an arc-fault in another feeder. Or when — we could go on and on. But you know the point. A real craftsman does every job the way it *should* be done, is *not* concerned with what he "can get away with," and is able to sell the difference to his customers.

Probably the greatest area for better-than-code application is that of products — the staggering array of components that go into the construction of every electrical system. The NE Code simply says, although the code rule in Section 110-2 waffles on this: everything used in an electrical system has to be "approved" — which, wherever possible, means third-party certified, such as by UL, Factory Mutual, ETL, etc. And, from a practical standpoint, that's where the code terminates its concern for electrical products — they *just* have to be *safe*. Yet we all know that in every product category there are units available of widely varying quality, all of which are "safe" by some minimum standard. In the selection of each and every product he specs or uses, the electrical designer or installer is given all kinds of opportunity to rise above the lowest-common-denominator of third-party certification and to exercise his dedication to genuine product quality and to value for his customer. Of course, use of any non-third-party certified product is totally inconsistent with quality electrical work, as well as with the code, if a listed or certified product of that *type* is available.

The NE Code is truly an exemplary document of its type. It is a credit to the electrical industry and must always be fully and faithfully observed in relation to all electrical work. But as the NE Code itself says about its own provisions, "Compliance therewith will result in an installation not necessarily efficient, convenient, or adequate for good service or future expansion of electrical use."

Because it is necessary for all electrical systems to be efficient, convenient, and adequate, all electrical systems must be better-than-code.

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**"Regulation or Strangulation" Sen. Atiyeh**

The September meeting of the Portland Chapter, CSI began with a fascinating discussion of "What is State Land use Planning doing to the Construction Industry?" according to Victor Atiyeh, State Senator from Beaverton. Actually, that is not exactly what Senator Atiyeh discussed, but it is close.

Senator Atiyeh started by advising that LCDC (Land Conservation and Development Commission) seemed to be more conservation and less development. The feedback that Atiyeh has been getting from Oregonians is that 85% of the time LCDC does not appear to be listening to the people but is setting goals for land use on the basis of the appointed Commission members' convictions. Atiyeh has advocated amendments to LCDC but does not now recommend repeal.

DEQ (Department of Environmental Quality) was Atiyeh's next topic and many Oregonians have advised him that it is heavy-handed and authoritarian. Somehow the problem with government involvement is that often government does not regulate but strangles. He said government should be designed for the people not for the government employees.

Atiyeh's speech then became more political with a discussion of Governor Straub's policies and the two billion dollar state government. Atiyeh thought the Legislature should have "fixed-up" Ballot measure 6 to work in Oregon rather than write its own measure (#11) for property tax relief.

During the question and answer period Atiyeh expressed the following opinions affecting the Construction Industry:

1. apparent double standards exist for new industries and existing Oregon industries; existing Oregon industries should obtain first call on available benefits.

2. LCDC and DEQ should recognize that growth will occur and determine how Oregonians want their State to grow. Measure 10, the initiative to amend LCDC, may be a directive from Oregonians to LCDC and LCDC should listen.

Reporter "P"

Deadline for material for The Predicator — Friday following the second Tuesday of each month. Please be generous with your articles — typed 36 spaces wide — but please be prompt! Thank you! Thank you!

**FIRST (& POSSIBLY LAST) ANNUAL CSI SUMMER FAMILY PICNIC**

After many thoughts of canceling, it was decided to go ahead with our first annual picnic. We were sure the weather would change. It did, from showers to downpours. Picnic sites were changed to supply us with a shelter and fireplace. Sure hope that everyone found us at Riverside.

We did eat and drink, mostly huddled together in our 4' x 6' shelter. Of course this had to be shared with the bees. Couldn't decide if they liked beer or pop best, but one almost got swallowed from a beer. Two casualties in the form of bee stings occurred. It was also discovered that hot dogs can be cooked in the rain under a cardboard box.

The companionship was great and togetherness reigned. It was definitely a standing room only crowd.

It would be helpful if next year's coordinator had some influence with "Mother Nature" — Any Volunteers????

Mary Anne Klas

Nopel ML

**SEPTEMBER PROGRAM**

The first CSI meeting of the 1978-79 season was a dinner meeting held at the Mallory Hotel and featured Senator Victor Atiyeh as speaker. The Senator was accompanied by Mrs. Atiyeh and an aide, Paul Phillips. Adding further prestige to the head table were ex-presidents Larry Arnold, Ken Searl and Dick Ehmann.

Senator Atiyeh opened his talk with a remark about his name-tag with the title "Professional Guest." He said he was beginning to feel like a "professional guest" these days.

He then went on to speak about LCDC, DEQ, and other regulatory agencies and summed it up by saying, in substance, "we don't object to land use planning, we don't object to clean air and clean water, we don't object to a uniform state code, we don't object to responsible regulation, but we do object to strangulation!"

The Senator spoke briefly covering ballot measures #6 and #11 and said he would declare specifically on Thursday his support or non-support of these measures. He stressed the need for legislators to listen to what the people are saying and be more observant as to what is going on in the field.


In regard to economic growth, he said as Governor of the State of Oregon it would be his intention to have his "first romance" with local industry here in the state. He would not ignore the need to encourage outside firms to come into the state when desirable, but where we have adequate industry here already, he wants to support these companies first.

Also, in answer to a question on population growth, he stated that we can't stop people from coming into the state, but we can determine *how* we will grow and LCDC can play a part here. He stated that reasonable application of the laws in Oregon will permit an orderly growth.

The meeting was adjourned at approximately 8:30 p.m. There was a total attendance of near 75 members and guests.

Warren Koepke


THE WINNER, mostly by default, (by default of so many of you not getting your prize-winning program ideas in) — Margie Largent whose idea to do a program with someone from the State Legislature to discuss what effect legislation such as land use planning, DEQ, etc., has on the construction industry. Our Sept. program was the result.



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**James F. King**  
President



At the October meeting you will be asked to vote on two items to revise our Chapter **Bylaws**. They are as follows:

**Item 1** — Present wording Article V, Officers, Section 3, 2nd sentence "Industry members are not eligible to serve as president or president-elect." You will be asked for a vote to remove this sentence from the bylaws.

**Item 2** — Present wording Article V, Officers, Section 3, last sentence "The president-elect must have served at least one year on the board to be eligible." You will be asked for a vote to remove this sentence from the bylaws.

Reason for deleting the requirement that the president-elect serve one year on the board prior to becoming president-elect is not needed and reduces our selection of this position to only two persons, both being professional members.

Reason for allowing industry members to become eligible for president-elect and president is quite obvious. Instead of only two persons to choose from we would have four eligible. Now it has been said that industry members would not be as suitable as a professional member for these two positions, that they would or could use the position to further their own cause or their own firm. Now does anyone really believe that? Of course it is possible but of all the industry members in our chapter it is not probable, they just aren't that type. For added protection just in case an industry member who is on the board that shows any tendency that way, we have six professional members to three industry members so how could he or she get elected if the board feels that person to be not qualified? In the first place, it is very doubtful that many industry members would want to become a chapter president, but if they do and are acceptable they should have the opportunity. It's sort of like Victor Atiyeh, candidate for governor, said at our last meeting, that if he was told he couldn't go to Georgia (and he didn't want to anyway), he would immediately want to and demand to go. It is felt if an industry member is eligible to be a chapter president most won't want to anyway. Why are some members so adamant in not wanting it possible for all members to be able to serve as chapter president? It is noted that Puget Sound has industry member Dave Thomas as chapter president, who is doing a fine job.

Please think it over and come to the October meeting to place your vote. An open discussion will be held prior to voting.

### A MINI MASTERFORMAT SEMINAR OCTOBER MEETING

The June 1978 edition of Masterformat - Master List of Section Titles and Numbers by CSI and Construction Specifications Canada will be the subject of a presentation by Lee Kilbourn, CSI, Certified Construction Specifier.

This new document updates CSI Document MP2A 1975 Edition as revised by Addendum No. 1 and largely supplants the Uniform Construction Index of 1972. Masterformat lists Division 0, lists sections for data filing only, reserves sections for future expansion, includes broadscope section explanations and contains an expanded keyword index. There are also some mistakes.

Learn all about these exciting topics beginning at 5 PM on Tuesday, October 10 at Osbeck's Rose Manor Inn on McLoughlin Blvd at Holgate. Please bring *your* copy of Masterformat.

### INSTITUTE TDC '78-'79

Rob MacDonald

The Technical Documents Committee is just another reason CSI is the most dynamic organization in the Construction Industry.

Chairman Chris Delgado opened this year's first TDC meeting in Washington, D.C. July 28 and 29 by introducing six new region participating members. Fiscal Year '78-'79 projects another good year of progress in TAS (Technical Aid Series): revision of 30 Guide Spec Series (Green Documents), revision of MOP (Manual of Practice) volumes I and II, coordination of TIE (Tech Info Exchange) and CDS (Construction Documentation Systems).

Northwest Region (9) enjoys a 50% completion record of 14 out of 28 TAS (about average) and this year portends to be better.

Comments are invited on revision of 14200 Elevators, 10160 Metal Toilet Partitions, and other NW Region Authored Documents.

Current national status of TAS stands at 378 assignments of which 211 have been completed, 167 plus additional proposals coming from you will be scheduled for this year. Comments and suggestions are invited through your NW Region Participating Member or direct to the Institute.

Respectfully = Your little old PM  
— Rob

### TAS ASSIGNMENTS ANNOUNCED

Portland Chapter CSI has accepted 15 assignments in the Construction Specification Institute's Technical Aid Series Program.

Technical Aid Series Documents contain sources for information on standards, regulations, manufacturers and related specification texts. A Technical Aid represents a first step in compilation of necessary data for preparation of construction specifications.

Soil Stabilization Lime with related assignments in the topics of Soil Stabilization, Cement, Asphalt, Lime Slurry Injection, Pressure Grouting and Vibro-Flotation comprise one group of subjects assigned to Portland Chapter. The Chapter technical subcommittee working on these documents is headed by Dennis Destefano.

Also in Division 2, Portland Chapter has been assigned the Broadscope and Narrowscope topics under the Masterformat heading of Power and Communication Utilities. Topics here include Towers, Poles, Conduits, Electrical Power Transmission Lines and Distribution Lines, and Communication Lines. This subcommittee is led by Rod Moorman.

Wood Decking is another subject assigned to Portland Chapter. The subcommittee leader is Don Wallace.

Gypsum Plaster and Veneer Plaster are two more topics assigned to Portland Chapter. This subcommittee for Division 9 is led by Dick Logan.

Moving Walks is assigned to Portland Chapter, work on this subject is under the leadership of Jim Tidwell.

Other topics are available. These and other topics are discussed twice monthly at meetings of the Chapter Technical Committee. For information, contact Lee Kilbourn, Chairman at 224-3860, or evenings 244-1778.

Lee K

### THE BIG ONE!

1978 West (Cal., Hawaii, Nev.) region conference — Nov. 2, 3, 4 @ Sheraton Universal Hotel, Hollywood, Cal.

"They" claim this is going to be the greatest region conference ever held and if you register before Oct. 15 \$55.00 will pay for the whole fantastic event. You and Construction Law is the theme. Call Lee K if you are interested.





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**MEMBERS AROUND TOWN**

Contractors Weekly. Northwest Plan Center has a new home. You probably attended the opening Bill Samuel, CSI, now at 500 N.E. Multnomah St.

A NAME CHANGE Frank D. Cohan, Inc. on Saturday Sept. 9, became Cohan Court and Sport, Inc. Same address same people. New card. Ames Cohan, CSI.

**SCHEDULE '78-'79  
 OUR TWENTIETH YEAR**

NOVEMBER 14 program PAINTING Problems in Specifying and Bidding — Colors? Coordinator Gordon Van Antwerp

DECEMBER 12 program ENERGY, Codes, Regulations, Applications Specs Coordinator Al Stahl, CSI

JANUARY 9 program HARDWARE—Unlocking the Mysteries of Finish Hardware Coordinator Ken Searl, CSI

FEBRUARY 13 program HAZARDS to the Worker, Specifying, Liability, etc. Coordinator, Hunt Jones, CSI

MARCH 13 program MOISTURE CONTROL Coordinator, Jim Davidson

APRIL 10 program PRODUCTS Legal Aspects Joint with Producers Council Coordinator, Les Seely

MAY 8 program DESIGN — BUILD Coordinator, Tod Lundy

JUNE 12 program OWNER Looks at Specs Coordinator,

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

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"NO 2 CHOICE"

**CANDIDATE FOR REGION DIRECTOR**  
Paul Edlund FCSI

1643 Oak St. Eugene, Oregon 97401  
Specification Consultant (Architect)  
Education Bachelor of Architecture  
University of Oregon (1961)

Joined Eugene Chapter CSI 1965  
Advanced to Fellowship in Institute  
1976

**INSTITUTE COMMITTEES**

Awards (68-70), Education (73-78)

**INSTITUTE AWARDS**

Chapter President's Certificate of Appreciation (1968), Specification Writing Competition, Merit Award (1973), Honorable Mention (1976 & 1978)

**REGIONAL COMMITTEES**

Awards Workshop Moderator (1968), Screening Committee (1968-1970), Editors Workshop Moderator Chairman (1970), Region Guidelines Committee Chairman (1974), Region Conference Steering Committee (1974), Region Conference Program Committee, Chairman (1974)

**REGIONAL AWARDS**

Director's Citation (1971 and 1974),  
Technical Excellence Award (1972)

**CHAPTER OFFICES**

Vice-President (1965-67) President (1967-1968) Advisor (1968-1969) Board of Directors (1965-1974)

**CHAPTER COMMITTEES**

Program Chairman (1965-1967) Program (1968-69 1973-1974 and 1977-1978), Membership Chairman (1966-1972), Publications Editor (1969-1971) Technical Chairman (1972-1973), Education Chairman (1973-1974)

**CHAPTER TECHNICAL REPORTS**

Sheetmetal Roofing Guide Specification Chairman (1969-1971) General Sheetmetal Guide Specification, Chairman (1971-1973) Sheetmetal Roofing TAS Document, Chairman (1975) General Sheetmetal TAS Document Chairman (1975) Water Treatment Guide Specification (1977)

**CHAPTER AWARDS**

Specification Writing Competition, First Place (1968-1970, 1974-1976), Education Award (1970), Certificate of Appreciation (1971), Technical Excellence Award (1972)

**CONVENTION DELEGATE**

San Diego (1965), Denver Chairman (1968), Portland (1974), New Orleans Chairman (1975), Philadelphia (1976)

**REGIONAL CONFERENCE DELEGATE**

Portland (1966), Seattle (1967), Eugene (1968), Portland (1969), Spokane (1970), White Pass (1972), Portland (1973), Eugene (1974), Spokane (1977), Timberline Lodge (1978)

**OTHER SOCIETIES**

American Institute of Architects, Corporate Member (1961-Present), Southwestern Oregon Chapter/AIA - President (1966) Oregon Council of Architects, Delegate (1965-1968), Education Comm (1972), Northwest Region/AIA, Judiciary Committee (1967-1968), Judiciary Committee Chairman (1969)

**CONSTRUCTION INDUSTRY**

Symposia Magazine, Editorial Advisory Board (1972-Present) American Arbitration Association, National Panel of Construction Arbitrators (1973-Present), City of Eugene, Building Code of Appeals (1966-Present), University of Oregon, Adjunct Professor of Architecture (1968-Present)



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**(NO. 1 CHOICE ML)  
CANDIDATE FOR REGION DIRECTOR**

Ken L. Searl, CSI, specification writer & construction inspector for WEGROUP, PC architects & planners

Professional licensed concrete supervisor, plant and field, City of Portland

Field and plant concrete inspector, State of Oregon (since 1966)

Professional member, Portland chapter construction specifications institute

**CHAPTER AWARDS**

President Certificate of Appreciation '76-'77 (two) '78 order of the Green Weenie

**CHAPTER OFFICES**

President '74-'75 & '75-'76  
Vice President/Programs '73-'74  
Board of Directors '73-'76

**CHAPTER COMMITTEES**

Technical Documents Committee (Elevators)  
Co-Chairman Fellowship Committee  
Co-Chairman Specification Seminar '76  
Moderator of Specification Seminar '76  
Co-Sponsor Substitution Request Form '76-'77  
CSI Committee member to Joint meeting with Oregon Concrete Aggregate Producers - plus 15% Concrete Compressive Strength Requirements Committee ('75-'76)  
Initiated 1st Portland Chapter Products Fair '76  
Awards Committee  
By-laws Committee  
Member of Committee requested by Mayor (Portland) to escort & man delegation from Japan - to investigate roofing manufacturing, procedures warehousing  
Numerous Chapter Programs, Panel Member, i.e. AIA 201 Concrete etc  
Writes Column "BS by KS" monthly for chapter paper

Numerous articles for other publications

**REGION COMMITTEE**

Guideline Revision Committee '78  
Chairman 1969 Region 12 Conference  
Hosted by Portland Chapter  
Program Committee '73 Region 12 Conference Portland Chapter Host  
Monthly Column (Predicator) - B S by K S

**REGION CONFERENCE ATTENDANCE/DELEGATE**

Willamette Valley '68 Portland '69 (Chairman), Puget Sound '70 Yakima '72, Portland '73 (Program Chairman), Willamette Valley '74 Cook Inlet '75 Puget Sound '76 Spokane '77 Portland '78  
Chapter Presidents meetings - Seattle, Portland

**INSTITUTE COMMITTEES**

Specification Judge for '73 Specifications Competition  
President of Host Chapter at time of National Convention  
Greeting from Host Chapter

**NATIONAL CONVENTION ATTENDANCE/AS DELEGATE**

Minneapolis '77, Washington D C '73, Portland '74 (President Host Chairman), New Orleans '75, San Antonio '78

**EDUCATION**

United States Navy Electrical School

**CONSTRUCTION EXPERIENCE**

Construction Inspector to Office Engineer, U S Corps of Engineers, Ogden Utah - '44  
Electrician, U S Navy - '46  
Construction Superintendent, M & K Corp, San Francisco, CA - '47  
Building Inspector, City of Ogden, Utah - '51  
Construction Inspector, U S Corps of Eng, Ogden Utah - '54  
Construction Inspector, Oregon State Board of Control - '63  
Construction Inspector, Yamhill County Courthouse, McMinnville, OR - '64  
Construction Inspector and Specifications Writer - Wilmsen, Endicott, Unthank & Associates - Wilmsen, Endicott, Greene & Associates - Wilmsen, Endicott, Greene, Bernhard & Associates - WEGROUP, P C 1964 to Date

**B.S.** by K.S.

Several of us in the Portland Chapter

have been meeting with the local chapter of the Painting and Decorating Contractors of America for two purposes - one to assist in the preparation of a new and revised painting guide which will be published in the near future and two we have participated in chapter meetings as panel members which included discussions of problems that painting and decorating contractor members encounter in their respective operations.

These meetings brought forth many areas of concern voiced by various painting contractors. I will list the main concerns and ways to reword our specifications to correct these specifications.

One of the main complaints we heard was if a painting contractor places any paint on a surface even if that surface is not prepared correctly then that painting contractor has "bought it" as the saying goes. This should not be the case because specifications can cover this item by spelling out clearly who is responsible for what. Instead of putting phrases in specifications stating that the painting contractor assumes responsibility if any paint is applied or not saying anything, how about stating clearly to whom belongs the responsibility. In our own firm we have a clause in the Lath and Plaster or Gypsum Wallboard Specifications calling for an inspection for acceptance by the architect with a cross reference in the painting specifications. This means the architect or his representative has to stand up and be counted by assuming responsibility for inspection and written acceptance of surfaces to be painted. It is felt, and rightly so, that the painting contractor should not have to shoulder this responsibility.

Another item to come out of these meetings is a recommendation that gypsum wallboard not be sanded after joint filling. In lieu thereof using a wet sponge is more beneficial and does not tear paper coating like sanding. If necessary, a very light sanding could be done after the sponge treatment has dried. One should consider placing this in the contract specifications.

Last item of importance that I feel should be covered is the use of deep tone paints and how many colors are going to be required and locations. As a minimum, a percentage should be listed as to quantities of deep tones. If possible, also list how many colors and color variances are going to be required. Anything that will help pin down just what is wanted will enable the painting contractor to more accurately figure a bid which in turn saves the owner money. Under some present speci-



## to the editor

Dear Ken [Read Editor]

As usual, I enjoyed reading your September BS, and like all the others it both entertained and enlightened me.

I'm delighted to hear that you people are working on a CSI suggested page format, and I'd like to put in my two cents worth. I recognize that my suggestion is substantially out of step with everyone else, but in my opinion it has to be considered because it's so simple and it works so well.

I have used the line-numbered format for years and everytime I do so I become more convinced that I'm doing the right thing. All but two of my clients now use this format and they tell me they are delighted with it. Their only question is why did they wait so long to start.

edited

Thanks, Ken, for the opportunity to put my oar in the water, and if I can be of any help, please let me know.

Very truly yours,  
Paul Edlund, FCSI

### BS BY KS (cont'd.)

cations I wonder just how an estimator arrives at a bid figure. No doubt an Ouija board or other occult means must be employed.

It seems to me more meetings should be in order between architects, specifiers and various building trades organizations. I'm sure the result of such action will benefit everyone, including the building owner.

Ken Searl, CSI

### Ed comment

Watch for next month program! Bring your decorator, architect or design consultant.

### AIA — CSI GOLF TOURNAMENT

Golfers are not good reporters — but your editor thinks a fun afternoon (Friday 25 August) at Progress Downs Golf Course was enjoyed by some 34 persons. 30% CSI? What happened? Some won, some lost!

### CSI MEMBERS ALERT!

John Crook speaking at the University of Wisconsin on CONSTRUCTION CONTRACTS AND SPECIFICATIONS Nov. 2, 3, 1978. Watch for your notice.

Robert MacDonald, formerly around town, now with the Austin Co. in Seattle, is our region (Northwest) participating member to the technical documents committee. AND — (col 2 p 8)

ROBERT FRITCH, Eugene, is on the long range planning committee of the institute so if you have any thoughts you want to share, call ROBERT & ROBERT.

DID YOU NOTICE the color convention photo album 1978 in the August Specifier? Lee and Larry were there.

Just discovered that Larry Brown is no longer a vice president of the institute (a one year term) — wonder what he is doing with his time? Well, he and our old fellow Dick Ehman are going to be doing something later in the year that is mentioned in the Presidents Column. Watch the Predictor calendar for date.

### SUBSCRIPTIONS NOW AVAILABLE!

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Education Committee (participating) Larry Arnold	222-5384

### construction specifications institute, portland chapter

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vol. 18, no 3

construction specifications institute, portland chapter 36

Nov., 1978

## (Mark Your Calendar)

### CHAPTER MEETINGS

SCHEDULE '78-'79  
OUR TWENTIETH YEAR

- NOVEMBER 14 program PAINTING  
Problems in Specifying and Bidding —  
Colors?  
Coordinator Gordon Van Antwerp
- DECEMBER 12 program ENERGY  
Codes, Regulations, Applications  
Specs  
Coordinator Al Stahl, CSI
- JANUARY 9 program HARDWARE—  
Unlocking the Mysteries of Finish  
Hardware  
Coordinator Ken Searl, CSI
- FEBRUARY 13 program HAZARDS to  
the Worker, Specifying, Liability, etc  
Coordinator Hunt Jones, CSI
- MARCH 13 program MOISTURE CON-  
TROL  
Coordinator Jim Davidson
- APRIL 10 program PRODUCTS Legal  
Aspects  
Joint with Producers Council  
Coordinator Les Seely
- MAY 8 program DESIGN — BUILD  
Coordinator Tod Lundy
- JUNE 12 program OWNER Looks at  
Specs  
Coordinator

### UP COMING EVENTS

- Chapter Board Meetings Thursday  
noon following chapter meeting — at  
CSI office Open  
(Thursday following second Tues)
- Committee Meetings
- Tech Documents at Mult Co Library  
Thurs Oct 26, 6-8 pm
- Long Range Planning Committee —  
Oct 10, at 12 00 noon — Ehman's  
office
- Seminar: Division 1, Feb 23 24,**  
1979 Co-Coordinators Dick Ehman  
FCSI, Larry Brown, FCSI Moderators  
Ben F Greenwood, FCSI Robert E  
Vansant, FCSI Max enrollment 35 —  
First come, etc college credit avail-  
able (\$200 00)
- Products Fair, Coliseum, April 12,  
1979
- Region Conference April, 1979 Orcas  
Island, San Juan Islands, Washington
- National CSI Convention June, 1979  
Cincinnati, Ohio



**Gordon Van Antwerp (Coordinator)**

Graduated from Woodbury University  
with a Bachelor's Degree in Business  
Administration, additional engineering  
post-graduate work at West Virginia Uni-  
versity and the University of California.

Served in World War II as a commis-  
sioned officer in the Tactical Command  
of the United States Air Force, holds a  
commission in the State of Washington  
as a Brigadier General.

For 14 years, he served as Executive  
Vice President of the Oregon and Wash-  
ington Real Estate Industries.

He is a member of the American Society  
of Association Executives, the Construc-  
tion Specifications Institute, and the  
Oregon Building Congress.

Currently, he is Field Representative for  
the Oregon Council, Painting and Dec-  
orating Contractors of America, and is  
the immediate Past President of the  
Oregon Construction Industry Council.

### "COLOR SELECTION AMBIGUITY — A COSTLY PRACTICE"

by Gordon G. Van Antwerp, C.S.I.

In most instances it would appear there  
should be a reasonable length of time  
from the start of a design and the com-  
pletion of the Specifications to allow the  
designer to make a color selection on  
a product prior to bidding.

All too frequently, however, we observe  
in Specifications the following lan-  
guage "Color as selected by Architect"  
or "Color to be selected later"

Cont. p. 2

## NOVEMBER



## PROGRAM

tuesday, nov. 14, 1978

### Reservations

Members, guests and  
spouses are invited. Phone  
Jan 223-8231 by 4 pm  
Nov 13 or come at 7:30  
for the program only.

### Place

The Mallory Hotel

### Time

5:30 Social Hour

6:30 Dinner — \$7.25 inc.  
grat. no shows will be  
billed.

7:30 Program

### Program

Long on expertise in the  
Painting and Decorating  
field, a group of four panel-  
ists representing the Oregon  
Council, Painting and Dec-  
orating Contractors of  
America is scheduled to  
present an interesting edu-  
cational and informative dis-  
cussion on subjects of mutu-  
al interest and value to  
Architects and Specifi-  
cations writers. Gordon Van  
Antwerp, coordinator of the  
November program will in-  
troduce.

**Panelists:** Jim Hess, Vice  
President, E.W. Shields  
Corp; Perry Zeida, Presi-  
dent, Zeida Painting Co.;  
Dan Hannigan, Vice Presi-  
dent, Evan E. House Corp.;  
and Tom Braden, President,  
Rodda Paint Co.

Topics and their probable so-  
lutions:

1. Inspection — Approval of  
Substrates
2. Punch List Responsi-  
bilities
3. Waterproofing vs Water-  
repellancy
4. Drywall Sanding vs Wet-  
Sponging and Light  
Sanding
5. Deep Tones
6. Color Schedules

A dialogue involving questions and  
reponses will be encouraged to excite  
positive solutions.





**PRESIDENT'S COLUMN** Bob Klas

I have recently received a letter from the Institute Membership Committee in which The Portland Chapter, with 21 new members, was ranked 5th in the Nation for new members in July and August. The ranking was New York City, Chicago, Los Angeles, San Francisco, and Portland. In my opinion 5th is not bad in that company. While the final count is not in, Les Seeley and the Membership Committee have reported about 23 new members for the September and October period. All this reinforces my opinion that The Portland Chapter is one of the best in the Institute, and leads into the subject of this column—membership.

The Construction Industry has been compared to a three legged stool. Architects, Engineers, Spec Writers, and other professionals make up the design leg. Manufacturers' representatives and their consultants make up the supply leg. General and sub-contractors make up the assembly leg. Each leg has specific disciplines, and is dependent upon the other two. The advantage of CSI is that it brings the legs together to form a stool upon which all our fortunes (or misfortunes) rest.

As of the last careful count The Portland Chapter had 75 professional members, and 110 industry members, of which 5 were general contractors. We need at least 35 more professional members to make our ratio approach the ideal of 50/50. Of course the Chapter is delighted to welcome any Industry members who join our ranks, but, our obvious need is to get general contractor reinforcements to help support the assembly leg of the stool. Any member can cite a list of reasons why contractors should join CSI. It is as important to those who follow the specs, as it is to the people who write them.

(A similar list of reasons should be given for enlisting owners construction and building management representatives.)

*Cont. P. 3*

*Cont. from P. 1*

Correspondingly, this language appears as unprofessional as a division commander ordering his troops into battle with the stipulation "Ammo to be selected by division commander later."

We also see in Specifications that the color selection is to be made on the product — after the contract is awarded!

The author contends this is very poor practice indeed, and bases his contention upon the following practical considerations:

1. A Subcontractor bidding the material cannot possibly know if the material is of standard manufacture or is one of custom formulation.
2. Selection of too many ultra deep tone colors — Colors can vary in price several dollars per gallon, or as much as double, due to the type of pigmentation. The fact that a material is non-standard requires a special order, and the color may involve a shade necessitating two coats or more to obtain the desired color, thus an added premium cost of both labor and material.
3. Frequently, color other than standard requires longer delivery time causing delay to the job site and, where accelerated delivery is required to keep the project moving, added costs are involved.
4. Special colors (particularly ultra deep tones) can also result in a problem whereby the specified material cannot be made to match. Example: Stipple finishes.

Closer coordination between the Architect and the paint manufacturer, on a Specification review basis, would do much to minimize such a problem. But this can only be accomplished after color selection.

Specifications should be "SPECIFIC" on color selection for all parties to enjoy a clear, precise understanding of qualitative requirements.

Professionally accomplished, a set of Specifications can

1. Conserve money
2. Conserve many man hours of lost time in communication


3. Minimize time on product delivery
4. Greatly minimize agonizing frustrations for all parties.


A slightly different problem associated with the foregoing concerns itself with standard color chips oversprayed with a clear coating to enhance sheen, which a material supplier or Subcontractor is expected to duplicate with a one-coat system. To accurately duplicate an oversprayed color chip clearly necessitates a two-coat system, thus doubling application costs — one labor cost unit to apply the color and a second labor cost unit to apply the clear overspray. (Note: A one-coat color can be manufactured to equal the quality of sheen. However, the quality of pearlescence cannot be satisfactorily manufactured. Pearlescence is obtained through technique of application.)

In some instances, there is almost total disregard for the selection of colors from the system of the manufacturer the painting contractor has elected to supply.

Some may think these problems are minimal. The author does not find this to be the case.

In the spirit of positive helpfulness — that our related activities may more harmoniously live and work together, I offer this suggestion — Enhance our professional image by determining specific color selection prior to bidding and, for design product compatibility, stay with one system.

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**Board of Directors' Meeting**

**September 14, 1978 12:00 Noon**

**PEOPLE IN ATTENDANCE** Arnold Ashton Kilbourn Klas Koepke Largent Lundy Moorman Murphy Samuels Sampier Searl & Seeley

**COMMITTEE REPORTS:**

**Membership** — Les Seeley reported sixteen new members making a total of 167 members

**Program** — Rod Moorman announced our October 10th meeting will be held at Osbeck's Rose Manor Inn and our guest speaker will be Gordon Morterud Fire Chief Motion was made seconded and passed to discontinue mailing the special meeting notice due to the cost Bob Klas announced Regional Director Jess Wilkins will be attending our October meeting

**Educator** — President Klas reported there will be a seminar on Division I, February 23 and 24th which will be held in Portland

**Products Fair** — Bill Samuels reported the 1979 Products Fair will be held at the Memorial Coliseum No date has been set at this time and his committee is waiting for response to price

Les Seeley was appointed Coordinator for C S I and Producers Council

**Technical** — Lee Kilbourn — Motion was made seconded and passed to print 25 more copies of the master format to be sold for \$7.00 each

After discussion motion was made seconded and passed that the Chapter pay with approval of the Board the costs not covered by the Region or Institute for Technical and Education Committee meetings for our participating member

Treasurer Don Ashton presented financial reports for first second and third months of our fiscal year Current totals in checking \$1,758.46 savings account \$3,958.62 as of August 31 1978

Meeting adjourned at 1:30 P M

*From P. 2, Col. 1*

The point of all this is a Presidential Proclamation

ALL MEMBERS OF THE PORTLAND CHAPTER ARE HEREBY DEPUTIZED TO THE MEMBERSHIP COMMITTEE

The task does not involve high pressure recruiting rather it is a matter of watching for that individual who can benefit from and be of benefit to CSI Remember the ideals and abilities of CSI members are our best selling point Call Les Seeley or me with your prospects

Rudie Richard—killed in a plane crash Sept 1978 on Sisters Richard was district representative for Standard Drywall Products Salem Or

Most recent recipient of Kens' subscription to the Predicator is W E Bailey CSI 205 2675 Oak Street Vancouver B C V6H 2K3 Also receiving the Predicator from Ken is Jim Hodgkinson Bittorf Holland Christinson Arch Ltd 107 Revillon Bldg 1021 104th St Edmonton Alberta Canada T5J 1B6

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Jesse Wilkins

Director N.W. Region

**a News Release**

At its September 16, 1978 meeting the Institute Board approved the concept of further development publication and sale as CSI documents of hard copy master specifications text for Division 2 through 16

The development of these documents will be accomplished with the participation of The Construction Sciences Research Foundation and an Ad Hoc Committee of CSI The majority of the CSI committee will be past or present members of the Institute's Technical Documents Committee

The objective is to develop and maintain an ongoing program which will be regularly updated and revised

Initial publications are expected to be available in early 1979

The action comes as the result of a recommendation by Institute President Stan Bair That recommendation concluded that there is a need for a usable comprehensive master by CSI members in hard copy form Also, that production of master specifications text would be a decided services to present and potential CSI members

By starting with text already available to and through CSRF, CSI will be able to make the documents available at minimum costs Review by the Ad Hoc Committee will assure adequacy of the documents We have been assured that through the participation of the Ad Hoc Committee the documents will be the best possible before being published

Bill Mincks


Director N.W. Region

The following is a summary of items acted on at the September Board Meeting

1) The Board established an ad-hoc committee to study the overall effectiveness of C S I student chapters and the organizational alternatives This recommendation was made because of the problems involved with the maintenance and continuity of C S I student chapters The high turn-over rate in student chapters seems to have caused several administrative problems for the Institute This ad-hoc committee will investigate the problems, consider the impact of the problems, and probably recommend alternatives and/or policy changes to solve these problems

**Cont. P. 4**

**MUTUAL MATERIALS**



**DEXTER WALTER, CSI**  
Office 655-7166



**From P. 3 (MINCKS)**

President Stan Bair has asked for members names for appointment to this ad-hoc committee. I would like to encourage those members in our region interested and involved in this problem to submit your name for this committee either through Jesse Wilkins or myself. The ad-hoc committee will need all relevant information involving student chapters and students within regular chapters. I encourage you to compile and send this information to the ad-hoc committee on student chapters through Jesse Wilkins or myself.

2) The executive committee approved the recommendation of Mr. Chris Delgado, Chairman of the Technical Documents Committee (TDC) to expand the TDC's task assignment of preparation of a drawings coordination checklist to a pilot program for the preparation of Project Manual Guides in Divisions 2, 9, 10, 15, and 16. This pilot program will tie the CSI documents, Specification Series ('green sheet' documents) and the Technical Aid Series, with a 'guide' specification. This will give the specifier a complete document package for these divisions. This is following the Construction Data System (CDS) planned by CSI. There are a few sample documents of Project Manual Guides, of which I will attempt to obtain for members' reference. I still have the slide program for the CDS, and it is available to chapters upon request.

3) The Board approved the concept of hard copy development, publication and sale as CSI documents of master specifications text for Divisions 2 through 16 developed by the Construction Sciences Research Foundation (CSRF) with participation of CSI by an ad-hoc committee, the majority of which are past or present members of the Institute Technical Documents Committee.

The acceptance of this recommendation means that CSI will publish a master specification, sold to CSI by CSRF on a royalty basis, reviewed and revised by a CSI ad-hoc committee. The text of this master specification which serves as the data base for the automated COMSPEC system was prepared by a firm for CSRF. The firm has promised CSRF regular updating of these documents.

The original recommendation did not provide for review and revision of these documents by CSI. This provision was added to the original recommendation partly due to the actions of both Jesse Wilkins and myself. Hopefully, this ad-hoc committee will insure that these documents follow the format recently

published as 'Masterformat' and are indeed 'state of the art' master specifications. If your chapter has a member that is interested in serving on this committee, preferably someone with Institute TDC experience, please notify either Jesse Wilkins or myself. If this ad-hoc committee performs its task properly, it has a great deal of hard work ahead of it.

It seems that the development of a master specification by CSI would eventually become a reality. The Construction Data System's long range plan stated its Step III as the development of a 'guide' specification. I feel that most members will agree that it would take a great deal of time to produce a total master specification by chapter-generation of this material. A unique opportunity was presented by the availability of this master specification by CSRF. The Board felt that these documents would allow CSI to progress by making available a complete set of tools for the specification writer. The publication of these documents will be self-supporting. As the text can be pulled from the computer on demand, the CSI funding for publication would be minimal. We will have some staff costs and miscellaneous costs relating to the Review Committee. As the concept was just approved, the mechanics and details, such as subscription cost, have not been worked out yet. We will keep you posted of these developments.

As this is a major step for CSI, there are no doubt many questions and comments. I have tried to describe some of the reasoning behind the passage of this recommendation. Both Jesse and I will try to answer any questions the members of our region have about this new program.

4) The Yakima Valley Chapter was approved to be withdrawn at our request. As most of you know, that chapter has not been active for several years. I would like to encourage the members of our region to help Jesse and I continue our efforts in starting a chapter in the Tri-Cities area. CSI should continue to serve the Central Washington Area.

5) Several 'housekeeping' duties were performed by the Board at the September meeting: Appointment of two region directors to fill positions made by resignation; slightly revise regulations for annual meetings; and commit the anticipated excess of income in Fiscal Year 1978 to the Underwriting Reserve Fund.

Jesse Wilkins and I both have the new slide program which was presented in San Antonio, entitled 'The Directions

of CSI'. I have reviewed it and feel that it explains the present activities on the Institute level better than I can. I will be glad to mail it to your chapter, or I could bring it with me when I visit your Chapter.

We have scheduled the Northwest Region Coordinating Council for Friday, October 13, 1978 in Seattle. We will contact the Chapter Presidents as soon as possible on time and arrangements.

I once again encourage all members to contact me if I can clarify any of these issues or be of assistance in any other way.

William R. Mincks

**Report/Recommendations of Portland Chapter LRPC Meeting of September 18, 1978**

Larry Brown, FCSI, acting Secty.

The September Meeting of Portland Chapter CSI Long-Range Planning Committee took place in the offices of Dick Ehmann, FCSI, with the following present:

Larry Brown, Dick Ehmann, Lee Kilbourn, Bob Klas, Ken Searl, Tom Shea, Gordon Todd.

We received the Board's response to our recommendations through Bob, along with the Board's request that LRPC develop policy guidelines to assist future Boards and Committees of Portland Chapter CSI in such areas as Chapter Identification & Purpose, Continuity in Direction, and Finances.

The LRPC was much appreciative of the Chapter Board's positive reaction and openness to our recommendations. We will include 'policy guidelines' in our future activities.

We again discussed the inverted-pyramid telephone committee. Because it has proven so successful where implemented, we again recommend that it be tried by our Chapter. The key to success is having one person responsible for maintaining/updating the pyramid complete with list of 'backups' (secretaries, spouses, co-workers) for members.

We also discussed promotion and public relations considerations relative to Portland Chapter CSI. Although we formulated no specific recommendations for the Board, we did generally agree that some funds might be allocated to 'promotion' and that truly excellent Chapter Programs (especially technical programs) are essential.



On the general subject of leadership development we came up with the following ideas

1 There are two related yet distinct areas where leadership development is needed (1) Future Chapter leadership and (2) Future Institute leadership (Region Directors, Institute Committee Members and Chairmen, Institute Officers)

2 Some qualifications or prerequisites for leadership positions should be established, at least as guidelines (The Institute Board is discussing this informally — maybe there'll be suggestions forthcoming)

3 It may be desirable for Portland Chapter CSI to conduct annual or bi-annual workshops to provide training in such areas as

- Roberts Rules of Order
- How to Chair a Committee
- How to Moderate Panel Discussions
- Public Speaking/Group Dynamics
- Effective Listening
- Presenting Technical Ideas
- Professional Selling Skills
- Organizing to Reach Goals

4 Technical Sub-Committee Chairmanships are perhaps the best place to begin identifying and developing future leaders. We recommend that Technical Sub-Committees be established to review and update (and localize) each CSI Green Sheet and to supplement them with new documents

5 Educational Seminars, on a recurring basis, also provide leadership-development opportunities — as well as service to the membership and community. At least one, but preferably two seminars a year should be held (The Institute is coming out with more and more helps for seminars)

6 Some thinking too, needs to be directed towards such questions as who will be our candidates for Chapter Officers three or five years hence? and who will be our candidates for Region Directors down the road? What about future Award recipients and nominees for Fellowship? Maybe Nominating and Awards Committees tasks could be expanded

P.S. Next meeting will be October 10 at 12:00 noon in Dick Ehmann's office

**DON KROEKER HONORED BY ACEC**


Don is the only Emeritus member of Portland Chapter CSI and has served as its Chapter Newsletter Editor. Don was one of the featured speakers at last year's Region Conference.

Don has been elected fellow of the American Consulting Engineers Council. Don has been active with the Consulting Engineers Council of Oregon for many years. He was the Council's first president and also their first editor of the OREGON CONSULTING ENGINEER.

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

Howard L. Glazer	Architects Forum 2068 N W Flanders Portland, Or 97203	227-4331
Robert K. Inouye	Morrison, Funatake Inouye, Andrews, Inc. 2007 S E Ash St Portland Or 97214	234-0548
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**PROGRESS IN PORTLAND**

Bill Pitman  
Taylors Dutch Boy Paints

Something besides the Trailblazers is happening in the City of Portland Oregon

The Portland Chapter of PDCA under the leadership of President Perry Zeida has made a substantial and most important contribution to the painting industry and crafts

Approximately a year ago President Zeida came up with the progressive idea of having informal but informative, panel discussion sessions with various groups associated with the trade

Invited for the first session were the specification writers of a number of prominent local Portland Architectural firms. This first session was informative and well attended by the painting contractors and many of their key men, as well as many paint and material suppliers.

Questions and points of contention thrown at the panel included discussion of the ultra deep color selection problem, color selection difficulties and incorrect material selections. And, most importantly, the issue of why the old unwritten rule of the painter having to serve as the inspector, judge and jury on the other trades in the area of wall acceptance was brought to the fore

After much discussion the contractors have proved a valid point to the architectural representatives — as a result of specifications are now being written by some architectural firms in Portland relieving the painter from the age old burden of "when you put a brush to the wall, you have bought the surface". An example of the specification format written and used by Mr. Kenneth Searl, Specification writer for "We Group, Inc." of Portland, illustrates the terminology used in the transference of this area of responsibility. Under the lath and plaster or wallboard section he states "INSPECTION-CONDITION OF SURFACES. *When completed request architect for inspection of surfaces*

Completed surfaces must be free of defects and errors and acceptable to architect to receive paint or other wall covering

In the painting section under JOB CONDITIONS Mr. Searl lists under INSPECTIONS "Notify architect before beginning application of paint. And also cross references the painting provisions to the lath, plaster and drywall section requirements.

This gentlemen has to be scored as a major victory for our entire industry. So there is benefit in collective, cooperative efforts by a group of organized professional men.

Not content to sit on their laurels, the Portland Chapter rescheduled the second panel discussion with the architects for their June, 1978 meeting. This time members representing national as well as local paint manufacturing firms were asked to participate. As a result of this second year program work is now proceeding on such items as who shall pay for sponging down of wall joints, where does responsibility lie on inadequate building flashing metals (and possible paint failure as a result) who should pay the burden of color submittals and preparation, etc.?

From the architectural side, knowledge was transmitted to the contractors of the problems they face inter-office and with their contemporaries. For instance, a specification may suggest more adequate capping metal length be used — but he may be over-ruled by the design department of his own firm due to aesthetic considerations. So all of the frustrations are not on our side.

The important element in all of this is that by holding such open, frank and non-personal discussions, corrections and changes can be made that are of benefit not only to the contractors of Portland but to our industry as a whole. There is more merit in a group of people sitting down to mediate than there will ever be in arbitration.

So take a leaf from the Portland Chapter Book and try it — you might like it.

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**SAUNA**

**Events and Dates**

1979 Specification Competition Criteria	<b>October Specifier</b>
Annual Report	<b>October Specifier</b>
Nominations by petition for Institute Officers	<b>October 1-31</b>
Nominations of Region Directors for the Northwest, Middle Atlantic, Southeast, Great Lakes, South Central, Southwest, Northwest, and West Regions	<b>November 1</b>
Regulations for Annual Meeting	<b>November Specifier</b>
Specifications Competition Entries	<b>December 19</b>
Nominations for Honorary Membership	<b>January 1</b>
Nominations for individual awards	<b>February 1</b>
Nominations for Fellowship	<b>February 1</b>
Regulations for Annual Meeting	<b>February 1</b>
<small>*Deadline for Receipt at Institute Office</small>	





B.S.

by K S

How many of you out there noticed on the back page of the September 1978 issue of the Predicator that for the sum of \$2.50 one can send a year's (10 issues) gift subscription to anyone on the North American continent and Hawaii and this even includes Ten Sleep, Wyoming. Ken Searl himself will process and mail your orders. Good grief, that alone is worth the \$2.50.

As you know, on occasion I have stated that I was a non-George Bernard Shaw type writer, which should be quite obvious to anyone who reads this column. In keeping with this tradition I came up with the following sage observation with the help of George. The reasonable specifier adapts to the times; the unreasonable specifier persists in trying to get the times to adapt to the specifier. Therefore progress depends on both because a continuing balance should be maintained between what is happening and what should be happening. I guess what I am also saying is that a good specifier is both reasonable and unreasonable. Could this be correct?

For some time I have been trying to figure out the difference between a guaranty and a warranty. For many years specifications listed guaranty but in recent years we have been advised to use only the word warranty. In the August 1978 issue of Building Design and Construction magazine there is an article by Gerald B. Gallagher, an attorney entitled "The Distinctions Between Guaranty, Warranty and Surety." I don't believe surety confuses too many of us so no further discussion is necessary but let me tell you what Mr. Gallagher has to say about guaranty and warranty. Simply put, a guaranty is an undertaking for the performance of an obligation by a third party. This obligation is triggered by failure of the third party to perform a contractual obligation with the "Guarantee." On the other hand, a warranty is an obligation generally of a manufacturer or seller for particular

goods running to the purchaser at the time of sale. Traditionally warranties have been an absolute liability on the part of the warrantor. If what Mr. Gallagher says is correct, then why in the heck are we being advised to call for a warranty instead of a guarantee? If anybody out there can shed any light on this subject, jump up and call or write to me or Ye Editor Margie Largent.

In closing I want to point out that it is not too early to begin planning for the 1979 National Convention to be held in Cincinnati, Ohio, next June. As a rule several of us also plan a small 3 to 5 day trip directly after the convention so if any of you have any good ideas let us know as soon as possible.

Ken Searl C S I

**Correction** October special article: Better than Code — credit line SHOULD HAVE READ Reprinted from June 1978 issue Electrical Construction and Maintenance (c)copyright 1978 McGraw-Hill, Inc. — All Rights Reserved.

Meeting notice FLYERS are not going to be mailed to members this month — hopefully not for the rest of the year!

**CERTIFICATION NUTS** — If you plan to become certified CSW clip the application form from the July '78 CSI NEWS-DIGEST and return by Feb. 1, 1979.

**ARCHITECTURAL RECORD** has done it again! Held a round table discussion with a talented and thoughtful group of construction oriented people on "How Effective are Performance Specifications in Satisfying Users Needs?" CSI was never mentioned. AR does it every year.

Deadline for material for The Predicator — Friday following the second Tuesday of each month. Please be generous with your articles — typed 36 spaces wide — but please be prompt! Thank you! Thank you!

### OCTOBER MEETING

**FIRE CODES** — As they relate to plans and specifications, construction and use of new and remodelled buildings was the subject of the October program coordinated by Don Walton.

The October meeting was held at Osbeck's Rose Manor Inn. Gordon A. Morterud, Chief of the Portland Fire Bureau, accompanied by Mrs. Morterud, Fire Marshall Francis Sargant and Mrs. Sargant, President Bob Klas, Don Walton, Rod Moorman and Mrs. Moorman were seated at the head table.

Chief Morterud and Fire Marshall Sargant gave a two-part presentation. The first portion consisted of slides of recent Portland fires, with comments by Chief Morterud, pointing out the flaws in construction which contributed to the seriousness of the fires. The second portion was a talk by Fire Marshall Sargant. The theme throughout the program was "Fire safety starts on the drawing board." The use of sprinkler systems was stressed frequently. The speakers felt that with as few as two sprinkler heads many of the fires could have been brought more rapidly under control. Design considerations for fire safety and possible trade-offs were among the topics discussed. At the close of the talk the speakers answered questions from the floor.

Prior to the program the following business took place. Lee Kilbourn for the Technical Committee announced that copies of the Master-format may be obtained at a cost of \$9.50. Also the next Chapter Technical Committee Meeting will be held at the Multnomah County Library on Thursday, October 26, from 6-8 p.m. Topic: "Effective Use of Multnomah County Library" by CSI members. 30 minute lecture followed by library tour.

Dick Ehmann announced the CSI Portland Chapter Education Committee Seminar will be held on February 23 and 24. Subject: "Using CSI Division I in Construction Contracts" — maximum enrollment 35, so enroll early.

Ken Searl presented two revisions to the by-laws for action by the members:

(1) That the following item should be stricken:

Industry members are not eligible to serve as president or vice president. Motion carried.

(2) That the following item should be stricken:

The President Elect and Vice President must have served at least one year on the board to be eligible. Motion failed.

Gordon Van Antwerp will coordinate the next meeting which will consist of a panel of four individuals — experts in the painting and decorating industry — and will be held at the Mallory Hotel, November 14.

There were close to 60 members and guests in attendance. The meeting was adjourned at approximately 9 p.m.

Warren Koepke



### to the editor

In response to Oct '78 issue's To The Editor commentary by Paul Edlund, regarding Portland Chapter's efforts to refine and further polish CSI's page format I offer the following opinion with no attempt to defend CSI's format or any spinoff from same:

This writer personally doesn't feel comfortable with any decimal system used in dividing the "Parts" (or "Articles") of a Section and prefers, instead to use an alpha-numerical system for all component identifications. This may cause a reader of the Spec to refer back several preceding pages from a particular item to identify its general hierarchy (and location) within the Section, but it does allow certain flexibilities for Section scope not possible within the CSI format. I'm a firm *believer in flexibility!*

Both of these systems do feature *addressing* (identification) at all levels within the Section, and that makes their commonality more important than their differences.

I look at Paul Edlund's "so simple" system using only line numbering on the page margin with page numbering as completely negativistic. It's been used

on some automated systems of software for master specifications having an extremely low-level of programming flexibility: the program is incapable of automatic modifications in relettering or renumbering of addresses for paragraphs, subparagraphs or items when additions or deletions made to the text. In short, the system is used primarily because the program being employed (either automated or manual) isn't flexible enough to accommodate updating due to editing.

Specifiers, designers, contractors and others have frequent cause to communicate about certain specification items, such as during the development of project addenda. Line-to-line references give no idea of where or what in the Section one has concern, without direct visual follow-through. Reference to an item between certain lines on certain pages means nothing. Reference, however, to 04200-3 02-b-4 (or 04200-03-b-4) is more likely to be comprehensible to one reasonably familiar with the Section's content and more positively suggests the scope of the identified text.

Proper addressing with characters of any reasonably systematic sort of

various levels of text within each Section therefore results in flexible, usable Specs. I suggest that line numbering is of limited benefit and then only to the person preparing the document. It is not in command of the preparation program, it (and perhaps economics as well) is controlling him.

Beyond nitpicking formats (and I've felt for some time that many within CSI seem concerned with little else than format problems and conformity) there's another more critical problem area in construction documentation that few of us are willing to confront. I'm referring to GARBAGE CONTENT within Specs that is apparently acceptable to many, as long as the Project Manual is brief, concise, follows the format, etc. Who today cares a bean whether Spec items are inappropriate to the design professional's project requirements, whether specified groupings of approved products are in fact asking for "apples vs oranges" bidding, etc? Painstaking complete preparation of comprehensive *appropriate* master specification options and educated, intelligent editing of same, with full knowledge of project detailing requirements, appears to be a rarity these days.

John C. Crook

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vol. 18, no. 4

construction specifications institute, portland chapter 36

Dec., 1978

## PRESIDENT'S COLUMN Bob Klas

As one who does not know enough about Division 1, I would like to share some ideas about the importance of attending the Portland Chapter's forthcoming Seminar.

Division 1 is the basic legal and administrative framework within which all our contract documents function. At the least, a well prepared and properly interpreted Division 1 can make a job progress smoothly. A thorough knowledge of Division 1 may avoid many arbitration and litigation situations. Knowing the cost of even a minor conflict with phone calls, meetings, material and labor, we would all like to ease the worries about these endeavors. If one bit of information can be acquired to resolve a conflict in our documents (a conflict we may not be aware of), the Seminar investment may be recovered.

The Seminar is not for spec writers and professionals only. Contractors, Suppliers, and Owner's Representatives need to know Division 1 for careful interpretation. We all may be losing time and money on Division 1 without realizing it.

See the enclosure with this issue for complete information. Ben Greenwood, FCSI, and Robert Vansant, FCSI, are both former Presidents of the Institute. The program ranges from basic administrative and procedural concepts to nitty gritty details such as project coordination, roles and authority of the A/E, and (if you will pardon the expression) professional liability exposure. 12 Continuing Education Credit Units are available for those who complete the program.

The Seminar is being offered at 5 locations in the East. This is the only current planned offering west of Detroit. (It might be appropriate to say something about those guys in the East not being serious about the western two thirds of the Country, but we are not complaining.) At an earlier presentation in San Francisco for 50 registrants, many were turned away. Our registration is limited to 35. It is now being publicized to CSI members in the Northwest. In December publicity will be extended to the industry throughout the region. Applications will have to be accepted on a first come basis. I would like Portland Chapter members to take advantage of this opportunity.

See insert for complete information.

BK

## CHAPTER MEETINGS

### SCHEDULE '78-'79 OUR TWENTIETH YEAR

- JANUARY 9 program: **HARDWARE**  
Unlocking the Mysteries of Finish Hardware  
Coordinator: Ken Searl, CSI
- FEBRUARY 13 program: **Legal Aspects**  
Joint with Producers Council  
Coordinator: Les Seely
- MARCH 13 program: **MOISTURE CONTROL**  
Coordinator: Jim Davidson
- APRIL 10 program  
Coordinator:
- MAY 8 program: **DESIGN — BUILD**  
Coordinator: Tod Lundy
- JUNE 12 program: **OWNER Looks at Specs**  
Coordinator:

## UP COMING EVENTS

Chapter Board Meetings, Thursday noon following chapter meeting — at CSI office Open (Thursday following second Tues)

SEMINAR, DIVISION 1, Feb 23, 24, 1979. Co-Coordinators: Dick Ehman, FCSI, Larry Brown, FCSI.

PRODUCTS FAIR, Coliseum, April 12, 1979.

16th NORTHWEST REGION Conference — Rosara Resort, Orcas Island, April 26 through 29, 1979. Plan your vacation now.

23rd Annual Convention & Exhibit CONSTRUCTION SPECIFICATIONS INSTITUTE, Cincinnati, Ohio, June 17-20, 1979.



## DECEMBER PROGRAM

**tuesday, dec. 12, 1978**

### Reservations

Members, guests and spouses are invited. Phone Jan 223-8231 by 4 pm Dec 1 or come at 7:30 for the program only.

Place: The Mallory Hotel

Time: 5:30 Social Hour  
6:30 Dinner — \$7.25 inc grat. no shows will be billed.  
7:30 Program/Business

### Program

*Specifying Energy Efficient Buildings*  
Button up your overcoat for a special meeting on energy conservation in buildings by one of the most knowledgeable experts in the area, Frank Rush, Director of Technical Services, Pacific Power & Light Company. Frank was formerly a contractor in Medford. He is a member of ASRAE. The PP&L Technical Services Office consists of a staff of mechanical and electrical engineers who provide technical information and consultation to PP&L Energy Consultants who work in the field with owners and contractors to plan energy conservation in old and new buildings and industries. Frank is especially knowledgeable on Building Codes and weatherization programs.

### Architect Alfred (Al) Staehli

COORDINATOR of our Dec. program is himself a Conservator of energy in his professional specialty of preservation of & restoring of our Architecturally sound & significant structures. Al studied at the International Centre for Conservation, Rome, Italy — after 7 yrs in USAF (Civil Engineering Office) — and after a Bachelor of Arch. degree (U of O).



**MORE INFORMATION — ENERGY CONSERVATION FROM "BPA ENERGY ALERT"**

furnished by

Rod Moorman, CSI

In order to keep employees and visitors to BPA more aware of conservation options, an information rack has been placed in the lobby of the BPA Building in Portland.

Many of the pamphlets disappeared the first day they were put on display. We think it further demonstrates the interest in conservation if only specifics are provided on how to save.

The rack will be kept stocked with the latest energy conservation information collected by BPA's Energy Conservation Office.

**THE KILLER WATT**

The Killer Watt is an adapter that converts an incandescent home lamp into fluorescent fixture.

This adapter has 12 times the life of the average incandescent bulb, burns cooler, and can save approximately 50% on light bills and energy with no loss in light intensity.

It retails for \$18 and can be purchased through Al Metcalf & Associates, 970 NW Irving, Portland, OR 97209. Phone 228-7353.

Pacific Power & Light has estimated that wrapping R-11 (3½") kraft backed insulation around and on top of a 52-gallon electric water heater will save 562 kilowatt-hours per year.

Lower energy consuming fluorescent light bulbs are now available.

BPA has been RECYCLING computer printouts and IBM cards as well as excess contract specifications for some time.

However, employees are now encouraged to place any of their white scrap paper in these receptacles on their desks. These are picked up periodically and the paper sold for \$70 to \$78 per ton.

**INCENTIVES**

President Carter's Energy Bill includes a 25 percent tax credit of the first \$800 and 15 percent of the next \$1400 spent on approved conservation measures. This will be applicable for actions taken between April 20, 1977 and December 31, 1984.

Oregon's recently passed legislation including a 25 percent tax credit to a maximum of \$125 for weatherizing residences, excluding mobile homes.

**AERIAL INFRARED PILOT PROJECT**

By the time you read this bulletin, BPA may have completed its aerial infrared flyovers of seven Northwest communities.

In conjunction with its aerial infrared flyover plans this winter, BPA has just equipped each of its Area and District Offices with portable infrared viewers.

The aerial thermal imagery is expected to illustrate the big picture to homeowners on how their residence stacks up with others in regard to heat loss. The portable infrared viewers will be loaned to utilities by BPA to assist in making individual house surveys.

**ENERGY RETRIEVAL SYSTEM**

The system is a conservation R&D project investigating the feasibility of recovering waste heat from a power transformer to heat nearby buildings. The waste heat will be used to heat a substitution control house with the assistance of a heat pump.

**SAVE ON YOUR GAS & OIL**

How to Improve the Efficiency of Your Oil-Fired Furnace — free in single copies from the Consumer Information Center, Pueblo, CO 81009.

"Getting the Most from Your Heating Oil Dollar" — free from the Office of Public Affairs (MD 31), U.S. Environmental Protection Agency, Research Triangle Park, NC 27711.

"Heat Balance and Efficiency Measurements of Central, Forced-Air, Residential Gas Furnaces" — DOE Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830.

**SOLAR WATER HEATING**

A program is available which provides people anywhere in the U.S. with computerized findings about the costs of solar water heaters for individual homes.

You fill out a form about your house, hot water needs and the type of system you're considering. Send the form to the U.S. Energy Research and Development Administration (ERDA) Form and a booklet explaining the program are free from SOLCOST, Division of Solar Energy, ERDA, Washington, D.C. 20545.

Portland General Electric, Seattle City Light and Pacific Power & Light reported on the status and results of their respective solar demonstration homes. Generally, west of the Cascades, a solar collector can be designed to provide about 50 percent of the homes' space heating needs.

**EPRI ON HEAT PUMPS**

After analyzing the performance and potential of heat pumps in northern climates, a recent EPRI (Electric Power Research Institute) study concluded the following:

— In single-family residences, state-of-the-art heat pumps offer significantly lower annual energy costs than electric and oil furnace systems with conventional air conditioning.

— In office buildings, cooling is the dominant load on the HVAC system, independent of climate. Heat pumps have little potential for reducing the total annual energy consumption and cost.

— The energy efficiency of state-of-the-art equipment required for smaller, better insulated residences of the future is relatively poor. Manufacturers should concentrate on improving the performance of units with 24,000 BTU/hr cooling capacity or less.

**ASHRAE HANDBOOK**

ASHRAE Handbook & Product Directory — 1977 Fundamentals can be ordered from the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., 345 East 47th Street, New York, NY 10017. The cost is \$40 plus \$2 shipping.

BPA has awarded a contract for a demonstration project to explore the retrieval of waste heat from transformers. The waste heat would be used along with a heat pump to provide control house heating at BPA's Ross Substation in Vancouver, Washington.

**WOOD-BURNING HEATERS**

With some \$98,000 in DOE funding, researchers at Auburn University, Auburn, Alabama, will conduct studies aimed at improving the design and installation of wood-burning equipment and providing information to instruct consumers on its proper operation.

Tests will be conducted on both foreign and domestic wood-burning heaters to determine the present operating efficiency of typical equipment. This information should also indicate design features providing the greatest energy savings.

**FIREWOOD**

Wood is a renewable resource.

Wood stoves have about 30-50 percent heating efficiency. Fireplaces have 10 percent with 90 percent of the heat going up the chimney.



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THE OREGON CHAPTER OF DOOR & HARDWARE INSTITUTE (DHI) WISHES THE CSI PORTLAND CHAPTER CONTINUED SUCCESS AND IF WE CAN BE OF ANY ASSISTANCE CALL ANY OF OUR MEMBERS.

**HAPPY HOLIDAYS TO ONE AND ALL**



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**BS by KS**

Finish Hardware! Now that is a phrase or a description usually listed as a narrow scope item within a set of specifications under Section Number 08710 or under a broad scope Section Number 08700. Now just what do the words

Finish Hardware really cover? Some specifications are short and sweet merely listing an allowance of so many dollars. This is the ostrich or sweep-it-under-the-old-rug approach. Evidently the specifier figures if it is ignored it will take care of itself. This type of buck passing will only come back to haunt one if for no other reason than the time required to obtain certain finish hardware items. Also it seems to me that with a stated bid allowance the owner loses any advantage of competitive bidding unless bids are taken at a later date which in turn makes the delivery date much later and probably costs are higher. Now after saying all of this there may be an exception, namely, if the architect does not do a hardware specification while preparing drawings and has engaged the services of a finish hardware supplier to write the finish hardware specifications, then it may be beneficial to list an allowance because the hardware supplier can work from the completed drawings and not from just an incomplete floor plan. Again I point out that this method can cause a time delay which can be costly both in money and time to complete project. If one does use an allowance be sure and stipulate if allowance is for materials only or does it include installation labor and materials.

Other specifiers use the group or heading number for listing of finish hardware, but this approach can cause trouble because it is very easy to omit a door opening and the bidder or supplier still has to break it down door opening by door opening to arrive at a bid and then the installer has to be very careful that the right finish hardware gets installed on each door opening. The best approach, in my estimation, is to list finish hardware by opening number in a numerical order either in a heading for each door opening or the use of a horizontal schedule which can also include

frame details and keying. This method is considered a door and hardware schedule rather than just a finish hardware schedule. This latter method requires more time on the part of the specifier but it does have some fringe benefits. This method requires a close scrutiny of the drawings and many things can be picked up, such as dead end corridors that don't meet code, improper exits, rooms that require additional door openings, too large a glass area on a corridor wall, and many other items. The extra time spent can save your firm lots of headaches and yes, even money.

One thing I do want to stress at this point is that no matter what method of finish hardware scheduling is employed, the specifier should consult with the owner's personnel who actually service the building or buildings and find out their views. You can pick up a lot of needed information.

Finish hardware has been changing in the last few years basically because of devices required for fire protection, alarm systems, security controls, etc. Some of the systems being installed here of late are either a Rube Goldberg concoction or Jules Verne or Buck Rogers. Now if you know who all these guys are, you are definitely over 29 years old.

The Portland CSI Chapter in an effort to assist everyone to become a little more acquainted with finish hardware, new and old, is presenting a chapter program entitled "Unlocking the Mysteries of Finish Hardware" on Tuesday, January 9, 1979, location and time to be announced later. We will have a panel of finish hardware experts complete with a sample display of finish hardware. This should be a lively program. Hope to see you there.

Ken Searl, CSI

Another subscriber — (thanks Ken) Ralph Boyen A.H.C. Schlage Lock Co. P.O. Box 167 Washugal WA 98671

AIA schedules Masterspec® workshop

Portland Chapter AIA has announced a one-day workshop in the editing, use and philosophy of MASTERSPEC. The workshop will be held January 25, 1978. For further information contact Portland Chapter AIA, 200 Dekum Bldg. 519 S.W. Third Ave. Portland, OR 97204 or 503-223-8757.



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**SAUNA**







# NORTHWEST REGION

Jesse Wilkins, Director

The Region Coordinating Council met Friday afternoon, 13 October at the Mayflower Park Hotel in Seattle. The meeting was very well attended, four from Spokane Chapter, two from Cook Inlet, two from Willamette Valley, four from Portland and five from Puget Sound Chapter. Some brought their wives along, making the total count at dinner twenty-six.

The Council examined and discussed the recently completed Operating Guide. They discussed the first draft of the Awards Guide as well. Director Bill Mincks and Art Nordling, Region Awards Chairman, pointed out the revisions and additions to the draft they had prepared. Bill Mincks' sister, a graphics arts student at Spokane Community College, had made silk screened covers for both Guides. The Council asked that a letter of appreciation be sent to her.

Other subjects discussed during the meeting were:

- Institute Committees and Appointments
- Student Chapters
- Concept of Master Specifications Text
- Appointment of Region Liability Committee and a charge for that committee
- 1979 Region Conference (Orcas Island)
- Written reports for Region Conferences from Chapter Presidents
- Chapter Presidents Meeting at Institute Conventions

The meeting convened at three P.M. and adjourned at 6:20 P.M. It was followed by a cocktail hour and dinner. Those that made comments stated that they felt the meeting was interesting and informative. Comment was made about the cooperative and friendly relationships within the Region. Bill Mincks was singled out particularly — the attendees congratulated Bill for the fine manner in which he has taken to the job of Region Director.

## AROUND THE REGION

- Regular Chapter meetings
- COOK INLET 3rd Wed. (Call Halley Hightower 276-2742)
- PUGET SOUND 2nd Wed. (altitude 47)
- SPOKANE 2nd Thur. (Fireside Inn)
- WILLAMETTE VALLEY 3rd Thur. (Boys & Steak House)


## Department of Energy Publications

*An Analysis of the Current Economic Feasibility of Solar Water and Space Heating*. Analyzes the 1977 economic feasibility of solar water and space heating for single family detached residences and for multi-family apartment buildings. Available from Government Printing Office, Washington, D.C. 20402. Stock No. 061 000-000275 at \$1.60.

*Contracting for Construction & Architect/Engineering Services*. DOE/AD 0005/1. General information on contracting for architect-engineering and construction services for DOE construction projects. Available along with a list of DOE field contacts, upon request from Office of Construction and Facility Management, DOE, Washington, D.C. 20545.


## MEMBERSHIP ADDITIONS Clip & Paste in CSI Directory

- |                   |  |          |
|-------------------|--|----------|
| Brett Biggs       | Flintile<br>3150 NW 31st Avenue<br>Portland, Oregon 97210        | 222-9367 |
| Ron Neeley        | Master Builders<br>49 SE Clay Street<br>Portland, Oregon 97210   |          |
| Peter Winkler AIA | Winkler Associates<br>10 SW Ash Street<br>Portland, Oregon 97204 |          |




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**MASTERFORMAT AVAILABLE AT CHAPTER OFFICE**

Masterformat CSI Document MP-2 1 Master List of Section Titles and Numbers is now available from the CSI Portland Chapter Office in the Dekum Building at 519 SW Third (97204) for the CSI member price of \$9.50. Everyone involved in the preparation and use of construction contract documents should have a copy.

Masterformat incorporates an organizational structure for groupings of

- 1) Bidding Requirements
- 2) Contract Forms
- 3) Conditions of the Contract
- 4) Broad and narrow scope specification sections with their numbering system

Masterformat continues the clarification of the specification divisions begun in 1963, grouping related section titles together. The Master List of Section Titles and Numbers includes a list of Narrow-scope section titles which (hopefully) define the scope of the Broadscope section title preceding them.

Section titles are presented as 'recommended titles' in recommended sequence and identified with a recommended numerical classification arrangement. The purpose of all this is to obtain a high degree of uniformity within construction specifications.

Changes which have been made in this edition of the Master List of Section Titles and Numbers include a restatement of the organization of Bidding Requirements, Contract Forms, Conditions of the Contract and Addenda into a Division Zero. Revisions have been made in Divisions 2, 11, 13, 15 and 16 so that Masterformat may be used for Electrical Utility Distribution Projects, for Pipeline Utility Distribution Projects, for Water Treatment Plants, for Fluid Waste Disposal and Treatment Plants, and for Power Generation Plants. Transportation System Projects can now be specified using Masterformat.

Lee sez — "if you're not using MASTERFORMAT, you're not talking the same language — (A necessary tool to write CSI Specifications) the editor apologizes for not having Lee's Mini-Seminar of Oct. 12 (5:00 p.m.) notice on the program page so you'd be sure and go early. I had planned for the paper to be out earlier so you'd have time to read it through — cover to cover — before the meeting. I hope he will repeat it for us all."

**AND NOW — A FORM FOR FEEDBACK!**

Enclosed is a feedback form which has been developed for use by Portland Chapter CSI.

The first one has already been returned to the Technical Committee recommending that the form not be used. The Committee determined that this did not represent a fair trial.

Portland Chapter Technical Committee has proposed a local program to keep members up-to-date on revisions to the content of CSI documents.

Previous contributors to the CSI Technical Program may observe that the form has space for complete accountability which was lacking in earlier efforts. In proposing this form the Committee hopes that the use of CSI Documents will be strengthened.

Corrections recommended by the Subcommittee of the Chapter Technical Committee will be published in *the predicator*.

LK

**RECOMMENDED IMPROVEMENT FOR PORTLAND, OREGON CHAPTER MEMBER'S USE OF CONSTRUCTION SPECIFICATIONS INSTITUTE DOCUMENTS**

	<p><b>TO:</b> Portland Chapter CSI Technical Committee 200 Dekum Building 519 S.W. Third Avenue Portland, Oregon 97204</p>	<p>CSI Document No. _____ Document Title _____ _____ Document Date _____</p>
<b>ORIGINATOR</b>	<b>FROM:</b>	<p>The following marked-up pages of the referenced document are attached to show current and proposed wording: _____ _____ STATEMENT OF PROBLEM: _____ BENEFITS OF PROPOSED WORDING (shown on attached marked-up pages): _____</p>
	<p>Typed Name and Title _____</p>	<p>Signature _____</p>
		<p>Submittal Date _____</p>
<p>Submit in Duplicate. Use additional plain sheets if necessary; do not use reverse side. Full consideration of marked-up pages depends upon establishment of adequate justifications in narrative above.</p>		
<b>PORTLAND CHAP. TECHNICAL COM.</b>	<p>Record Number Assigned _____ Acknowledgement Sent to Originator _____ Action Sub-Committee _____ Sent to Action Sub-Committee _____ Received from Action Sub-Committee _____ Sent to Originator _____</p>	<p><b>RECORD NUMBER</b></p>
<b>SUB-COMMITTEE</b>	<p><b>COORDINATION</b> Sub-Committee Sent Rec'd _____</p>	<p>Recommendations were considered in the preparation of document draft dated _____ Adoption was <input type="checkbox"/> Total <input type="checkbox"/> Partial <input type="checkbox"/> None Reasons for non-adoption accompany this form</p>
<p><b>ACTION COMMITTEE SIGNATURE AND DATE</b></p>		

We now have a president-elect. Please notice other new committee people listed on page 8 roster.

Bill Samuel has been appointed to fill the position vacated by Hunt Jones' resignation. Sorry to lose Hunt. Welcome Bill! Our new by-laws change still gives the Board some problems but more about that later.

MERRY CHRISTMAS & HAPPY NEW YEAR

**Automatic Vent Damper Standard Approved**

An American National Standard for home installation of automatic vent dampers — devices that are attached to chimney systems to help conserve fuel — has been approved by ANSI.

Copies of American National Standard for Electrically Operated Automatic Vent Damper Devices for Use with Gas-Fired Appliances, Z21.66-1977 are available from ANSI's Sales Department at \$2.00 each.



EDITOR

Lee and I have been traveling again, this time to the West Region Conference

They had, as announced in the CSI Newsdigest, a Saturday seminar "You and Construction Law" — attended by around 300 people. The attorneys, with Bill Meier, presented good (but California oriented) dope on today's industry and the problems confronting the participants. One of the attorneys said "Don't be mesmerized by contractual language just because it was drafted by an attorney" and went on to point out that it should be clear, concise, correct — like a spec! The major difference between contract documents of 1958 and 1978, it was observed, is that now the need for clear, correct and concise documents is more obvious and becoming the standard of the industry, as well.

We had a good time, met lots of good people and enjoyed the weather.

Perky Kilbourn

Ken's dad sez: IF YOU NEED HELP  
BUB, USE YOUR OTHER HAND



First AIA/CSI annual GOLF TOURNAMENT held at Progress Downs Golf Course Friday 25 August 1978, with 34 players, 24 AIA members, 1 AIA/CSI member and 9 CSI members. The Team Championship won by AIA with a net aver. of 75.57 (CSI net aver. 76.88). The following are this year's winners:

- AIA Low Gross - Xavier Ruoda 80 tied with
- Chuck Selig 80
- AIA Low Net — Don Ashton 69
- CSI Low Gross — Bob Stoneroad 81
- CSI Low Net — Dave Stewart 70
- Low net Handicap AIA/CSI Don Ashton 69

to the editor —  
Dear Jesse

Your letter of October 18, 1978, requests us, as candidates for the office of Region Director, to submit to each Chapter for local publication a Position Paper to help their members evaluate our respective qualifications.

While we fully understand your desire for this information, we both believe that anything we would write would be dealing with platitudes, or to express it more bluntly — just so much B.S.

We both are long time dedicated CSI members, and whichever of us is elected will, just as you and your predecessors have, give a great deal of himself to CSI.

We are both reasonably well acquainted with many members in each Chapter, and the Institute will be forwarding biographical data to each member. We believe that this is sufficient information to enable the membership to vote intelligently.

Finally, we both feel very strongly that the worst thing that could happen would be for the "loser's" chapter to bear hard feelings against the other chapters in the Region, and we believe this could easily happen if our campaigns became heated.

Paul Edlund, FCSI  
Ken Searl, CSI

— ed comment: The Region is fortunate to have two so-eligible contestants. With either one we win. So Vote for Ken! Both are certified CSW's.

ML



**BOARD OF DIRECTORS, 1978-79**

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Program Committee — Rod Moorman	234-3361-5375
Tod Lundy	292-2191
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**construction specifications institute, portland chapter**

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# the predicator



vol. 18, no. 5

construction specifications institute, portland chapter

Jan., 1979



## PRESIDENT'S COLUMN Bob Klas

For regular people this is a new year and Holiday Greetings are in Order. However for CSI presidents it is mid-year and time to take stock. Time to ask if we are doing the job intended. Thanks to the efforts of many people all the Chapter programs are moving well. This does not imply there will be no crises, but overcoming them makes the work interesting.

As you can see the Predicator is a publication to be proud of. Our Editor is working very hard to do it right. I can only add that if it does not get to you on time, blame the Postal Service. That is one crisis we cannot handle.

Attendance at Chapter Programs has been steady at 50 to 60, which is better than in the past, but not good enough. The Portland Chapter should be getting 100 people to these meetings. A variety of able people are putting together the Programs which have been - and will continue - to be enjoyable and worthwhile. We have received good comments about the locations and facilities. I believe Chapter Meeting attendance is essential to meet other members and stay current with the industry. It is not necessary to attend dinner. People are very welcome to come for the Program at 7:30.

The Technical Committees have been meeting regularly on a variety of projects. The results of their efforts will be published in the months to follow.

The Education and Seminar Committees are perking along. We cannot over estimate the value of the Division 1 Seminar in February - even now the program is being improved after earlier presentations. It is a rare opportunity for the Chapter to provide members a way to improve their services.

Cont p 4

## CHAPTER MEETINGS

SCHEDULE '78-'79

OUR TWENTIETH YEAR

- JANUARY 9 program **HARDWARE**  
Unlocking the Mysteries of Finish Hardware-Jt with D H I ORE  
Coordinator: Ken Searl CSI
- FEBRUARY 13 program **Legal Aspects**  
Joint with Producers Council  
Coordinator: Les Seeley
- MARCH 13 program **MOISTURE CONTROL**  
Coordinator: Jim Davidson
- APRIL 12 program at Coliseum  
Coordinator
- MAY 8 program **DESIGN — BUILD**  
Coordinator: Tod Lundy
- JUNE 12 program **OWNER Looks at Specs**  
Coordinator

## UP COMING EVENTS

- Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open
- Tech Documents — Jan 18, 5:30p m. 111 SW Oak — Lees place
- Long range planning — at Dick Ehman's office
- SEMINAR DIVISION 1 Feb 23, 24, 1979 Coordinators: Dick Ehman FCSI, Larry Brown FCSI
- PRODUCTS FAIR Coliseum April 12, 1979 Free parking midday
- 16th NORTHWEST REGION Conference — Rosaria Resort, Orcas Island April 26 through 29, 1979 Plan your vacation now
- 23rd Annual Convention & Exhibit CONSTRUCTION SPECIFICATIONS INSTITUTE Cincinnati Ohio June 17-20, 1979

## AROUND THE REGION

- Regular chapter meetings
- COOK INLET 3rd Wed (Call Harley Hughtower 276-2242)
- PUGET SOUND 2nd Wed (Latitude 47)
- SPOKANE 2nd Thur (Fireside Inn)
- WILLAMETTE VALLEY 3rd Thur (Bev's Steak House)
- EDUCATION COMMITTEE Wash D C Jan 26, 1979

### News Flash

The Board of Directors accepted with regret, the resignation of Tod Lundy — our new pres elect

## JANUARY PROGRAM



Unlocking the mysteries of finish hardware

**tuesday, Jan. 9, 1979**

### Reservations

Members, guests and spouses are invited. Phone Jan 223-8231 by 4 pm Jan 8, or come at 7:30 for the program only.

### Place Time

The Mallory Hotel  
5:30 Social Hour  
6:30 Dinner — \$7.25 inc grat. no shows will be billed 7:30 Program/Business

### PANEL

ALLOWANCES — DO S and DON TS  
KEN PAYSENO AHC Mgr  
OREGON BUILDERS HARDWARE SALEM  
SECURITY SYSTEMS  
ELECTRONICS SYSTEMS AND NEW ITEMS  
HAL ELDER CSI AHC  
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### HANDOUTS — KEYING & FINISH SYMBOLS

PORTLAND CHAPTER, CSI thanks the Oregon Chapter, DOORS AND HARDWARE INSTITUTE for sharing their meeting and members with us tonight.

GUEST JESS WILKINS DIRECTOR NORTHWEST REGION



## An Architect's View of the A H C

by Douglas Day FCSI

Most architects do not think of the person who prepares a hardware schedule for them as a consultant. A lot of architects feel they are getting a hardware schedule from the local hardware peddler.

In my own firm, individuals responsible for recommending consultants for our projects developed a list of consultants we might utilize. The list included some 60 different consultants, ranging from structural engineers, to radiation consultants.

One consultant was *not* listed, however. You guessed it. The Hardware Consultant. I referred to the *Architect's Handbook of Professional Practice* which includes a listing of possible consultants the architect might utilize. Again, you guessed it. The Architectural Hardware Consultant is missing from the list.

### Numerical Greek

When I first started reviewing hardware schedules I was completely baffled by the numbers. The individual who was preparing the schedule would start rattling off numbers without looking at a catalogue. I would just sit there with my mouth open. How could anyone keep all these numbers straight?

These individuals could just look at a number and tell the manufacturer and the item. Now, having been involved in the hardware in all our projects, I can also recognize numbers. No manufacturers and items — but numbers have some meaning to me.

However, this is not true with most architects. Most do not understand hardware numbers, different types of hardware and how they interact. Opening requirements. Fire ratings. Security. It is just all Greek to them. They're very happy to get someone to prepare a hardware schedule that can be reproduced and included in a specification.

They are only concerned about the appearance of the hardware, such as the design of the locks and the pulls.

### The Need for Consultants

This points out the main reason that an architect would engage the services of a consultant. Architectural firms utilize the services of consultants to complement or supplement their own knowledge or experience.

The needs for consultants will vary greatly with the architectural firm. We have a few clients who prepare their own hardware schedules.

Even when the owner prepared the hardware schedule, or when we have employed a hardware consultant, I still spend a lot of time reviewing that schedule door-by-door, and item-by-item. (I have a strong feeling that there is more to hardware selection than just helping the architect prepare a schedule.) If possible, it is advantageous to review the drawings with the doors, frames and hardware in mind prior to the finalization of those drawings. Especially the floor plans.

A lot of times the floor plans and details are complete before anyone thinks about the hardware. The feeling is that one can always find hardware to solve the problem. This might not always be true, and the hardware might not be the best suited for the conditions.

### The Manufacturer/Distributor Connection

I'm afraid some architects are very leery of consultants who work for a manufacturer or a hardware supplier. These individuals cannot help but be prejudiced toward the products they represent or sell. As far as I am concerned, this is only natural, and the architect should be aware of this when he gets involved with such a consultant.

My firm has had hardware schedules and specifications prepared with the assistance of persons working for hardware manufacturers or suppliers. On several occasions we then had the schedule and specification reviewed by another manufacturer and/or supplier. We were concerned that several manufacturers actually could furnish the hardware, including all the various functions that were specified.

One might say that the best hardware consultant would be one not related to a manufacturer or a supplier. This would be a consultant in the traditional manner, an individual or organization furnishing professional advice and service and completely independent of a manufacturer or a supplier.

### But, Who Pays?

As with the typical structural, mechanical or electrical consultant, the kicker here is that since the manufacturer or the supplier is not paying his wages, the hardware consultant must charge the architect a fee for his services. The architect now must decide if he is getting something for that fee that he could not get free from a consultant related to a manufacturer or a supplier.

There are projects that use public funds, and some tax payers might be upset if the architect were getting a free hardware schedule. In these cases it's politically smart for the architect to hire a hardware consultant, so that there is no possibility for a conflict of interest.

The independent consultant is also in a better position to help the architect review those inevitable substitutions. Again, the independent architectural hardware consultant has no axe to grind. He is just selling a service.

### Preparing for the Future

Eventually the hardware schedule is going to be incorporated into a specification section. Anyone helping in the preparation of this schedule should be capable of preparing the complete specification section.

This would include familiarity with the specification writing procedures, terminology, section formats, writing methods, methods of specifying, specification language. The list could go on and on. In short, a good Architectural Hardware Consultant should be familiar with all the basic principles contained in the *Manual of Practice* published by the Construction Specifications Institute.

### Integrity: the Key

The success of the Architectural Hardware Consultant boils down to the integrity of the individual or, to put it another way, the trust and confidence that exists between the architect and the architectural hardware consultant.

Reprint from "Doors & Hardware" Aug 1978

### RECYCLING (BPA-ROD)

Most of us don't think of energy conservation when we think of recycling, but they are closely related. Energy required to manufacture a bottle or can from recycled material is much less than from raw material (2000 - 4000 BTU's). Similar savings can be realized by recycling other items, such as newspaper, plastics, motor oil, etc. Aluminum recycling is especially productive since it requires only 5% of the energy required to produce the metal from raw materials. State recycling information services:

Oregon — Recycling Switchboard (229-5555, Portland)

Washington — Recycling Hot Line (1-800-732-9253)

Remember, save the oil you drain from your car and take it to a service station where it can be recycled. Each year 5 million barrels of used oil are wasted in Oregon by people who change their own oil and do not recycle it.



**Board of Directors' Meeting**

— NOVEMBER 16, 1978

The meeting was called to order at 12:00 Noon by President People in attendance Arnold Ashton Kingsland Klas Koopke Largent Lundy Moorman Murphy Samuels Sampior & Sealey  
**Nomination and Selection of President-Elect:** Article 6, Section 3 of the By-Laws states the President-Elect must have served at least one year on the Board to be eligible. Because of the extreme situation of no one being eligible, the by-laws were set aside and Tod Lundy and Rod Moorman were nominated to fill the position of President-elect. Tod Lundy was voted President-elect.

**Correspondence:** President Klas read a letter of resignation from Hunt Jones. Bill Samuels was appointed by President Klas to complete the remainder of Hunt Jones term.

**Program:** Rod Moorman reported a joint meeting with Prod. Council will be in Feb.

Our monthly Chapter meetings will be at the Mallory Hotel for the next year with the exception of April which will be the evening of the Products Fair at the Coliseum.

**President's Comments:** The Chapter was asked if we would like to put up an exhibit at the AIA/CSI office. After discussion, it was agreed.

Klas appointed Jim Luey to Region Awards Committee and Al Bannon to Liabilities.

**Treasurer:** Don Ashton reported as of October 31 we have \$289.49 in Checking and \$4,512.00 in Savings.

Meeting adjourned at 1:35 P.M.

BS by KS

**INSURANCE FOR A \$1,000,000 PROJECT**

The architect or specification writer is normally not qualified as an insurance counselor and professional liability insurance does not cover providing insurance advice. It is to the best interests of all parties that insurance matters be placed in the hands of the owner or owner's insurance counselor. Now these statements are no doubt very good advice but it does not mean that an architect or specification writer should not be well versed in insurance matters and to be able to make supplementary conditions modifications to suit each project. In the preparation of supplementary conditions caution should be taken but it is also necessary that all bases are covered.

There are some items that should be included in insurance requirements that are not usually included in standard general conditions. One item is a requirement that the insurance company or companies be licensed to do business in the state where project is located. Another item is insurance amounts and this can be very tricky because in the case of personal injury it makes very little difference in potential exposure if

project is one million dollars, two million dollars, or five million dollars. Recommendations are that the owner, not the architect or specifier, must establish the amounts and time limits of insurance coverage but here is an area that if in the opinion of the architect or specifier what the owner proposes is not considered adequate, then this should be brought to the attention of the owner. Now this should not be considered giving insurance counseling but is considered needed services rendered for your client, the owner. Many times the owner does not carry all risk insurance and this should be stated by modification in the contract documents so that contractor may take steps to obtain this type of insurance. Also a modification can be made requesting the contractor to include the interests of the owner, the contractor, subcontractors and sub-subcontractors.

If the state or states in your operating area or where project is located have any additional requirements these should be covered by reference or by modifications.

Sometimes it may be advantageous for the contractor to carry the property insurance. If this occurs then "all risk" can be included. Insurance should be written to include owner and all concerned parties and similar insurance should be in effect on portions of the work stored off site.

Another item worthy of mention is how and when forms and copies of insurance are to be filed with the owner and copies to architect. If not enough time is available to prepare insurance documents prior to starting of project binders could be executed by insurance company if authorized in supplementary conditions.

In summation I want to point out that great thought and a study of insurance needs in your particular area are in order. We have a tough situation because on one hand there is strong and very good advice for an architect or specifier not to stick out their necks (remember also that a turtle doesn't go anywhere unless he sticks his neck out) and give the owner any insurance counseling or advice, but on the other hand if one leaves it up to many owners, inadequate insurance will result which in turn can affect both the owner and the architect. It appears to me that we almost have a situation where you will be damned if you do and damned if you don't. My point is that in the preparation of insurance requirements move carefully, making sure you have covered the requirements for a particular project without getting the old neck out too far.

Ken L. Searl

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**SAUNA**

*Pres. Col. fr. p. 1*

The Products Fair in April will be a major production. To increase attendance there will be more booths, short technical programs in the afternoon, complementary lunch, and an evening Chapter Meeting at the Coliseum. This is one you cannot afford to miss.

Membership has been increasing. We would like it to grow faster, but this depends upon the entire Chapter. First, we have to participate and realize the value of CSI to our selves; then it takes very little effort to suggest others get involved.

The Long Range Planning Committee has generated a number of ideas to improve the Chapter. One important concern is the development of future Chapter leadership. This brings up a responsibility set at the beginning of the year — to increase involvement of all the members in Chapter activities. While more people are involved than ever before — contributing, learning and enjoying — I do not think we have succeeded in this effort yet. There is room for everybody to get the full benefit of CSI membership. Call me or a committee chairman with your ideas. We are trying very hard to listen.

BK

ed comment along this same line - read the New Orleans Ch ed (Jack Enyart) edited Col on this same page.

**FROM THE NEW ORLEANS CHAPTER INVITATION**

**FROM THE EDITOR**

deny themselves the great help to their business that membership in CSI and regular attendance of Chapter meetings can give. This is true for Professional and industry alike.

Most of us know the great benefits for Professionals. So many tools to assist them in straightening out that dragon called specifications, not just in specific product information but in arranging the whole mess for clarity and up front (where most of the lawsuits come from). I have heard so many Professionals say "I am already on the CSI Format. I don't need to be a Member" or "I have bought all of the documents and that is all that I need." Both of

these gentlemen are missing one or both of two of the best helps that CSI offers. The monthly Construction Specifier magazine (I have had some Professionals tell me that it alone is worth the yearly dues) and the tremendous amount of VITAL information that comes from participation in group discussions at Chapter meetings where knowledgeable Industry Members let their hair down and speak without pulling their punches to the group in general and not feel obliged to pussy-foot as they might had to head to head with ONE Professional in an office. A great deal is learned from other Professionals too, who are eager to share what they have already learned.

But my message here is intended primarily for my peers, the Industry Members, General Contractors, Sub-Contractors and material men. Only in recent years have any appreciable number of General Contractors joined and become active in our CSI Chapter. In the past I had talked to many GC's about joining CSI and a typical response was "I told them what was wrong with their damn specs when I was a speaker at their meeting last year and they didn't change them." Come on fellas, one rose never did make a summer. Besides, there are always two sides to every coin. The Professionals have their side too. The POINT of CSI is to meet and discuss these things on a regular basis and come to understand the other guy's point of view and THEN be able to point out changes that can benefit ALL.

For Sub-Contractors and materials men the benefits are numerous and it seems to me obvious. Right off the top you get to meet at least once a month with those hard-to-reach Professionals, on a semi-social basis on equal footing. You get to speak out in open forum on problems that you know beset your specialty to an audience that you wish you could pay to come and listen to you. And if you are willing to work, there is no end to the contacts and exposure that you can get. You will NOT get a master specification written for your product but if your product is useful and you know how to sell it, there is a world of opportunity available to you WITHOUT having to step over the line and be blatantly commercial at the meetings.

Jack Enyart

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**DIVISION 3 — CONCRETE**

Progressive Architecture 5/78 SPECIFICATION CLINIC article by William T. Lohmann AIA FCSI Does CSI Division 3 Really Work

Says in part

Despite minor difficulties, the author (Lohmann) finds CSI's format for concrete specifications readily adaptable for projects as varied as dams, highways, and buildings.

For instance, it is not unusual for two contracting firms to take the same specifications, estimate their costs and submit bids showing a 25 per cent variation. It is obvious that they must be bidding on different degrees of quality.

A bid simply reflects one firm's attitude toward a thing not yet produced.

What may represent a high standard to one contractor may represent a low standard to another — and all on exactly the same specifications.

G. N. Peterson

**JUST A THOUGHT**

Quality cannot be specified. Quality is largely up to the company fulfilling the specifications.

From THE SPECTRUM April 1978 issue Puget Sound Chapter RS1

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

Richard Gira	Northwest Lath & Plaster Bureau c/o Builders Exchange Co-Op 1125 SE Madison St. Room 200 Portland, Oregon 97219	234-0281
John Matteson	Martin Soderstrom Matteson 312 NW 10th Portland, OR 97209	
Tevlin Tony Poneck	Tektronix, Inc., Station 33-860 P.O. Box 500 Beaverton, Oregon 97077	644-0161
H. Curtis Finch	Fletcher, Finch, Farr & Associates 920 S. W. 13th Ave Portland, Oregon 97205	222-1661
George C. Burke	Western States Sales, Inc. P.O. Box 17323 Portland, Oregon 97217	638-6736

**CONSTRUCTION INDUSTRY STUDY**

Article: The Architect p. 9 MASONRY magazine March 1978

The study, conducted by Don J. Cosgrove, PhD, Prof. of Psychology & Management at Xavier University for the Construction Industry Advancement Program — sample question re: Specifications. What is your opinion of the quality of specification writing in the industry?

Fair & Poor — 58%

Good — 39%

based on a study group of 161 — including 16 architects, 11 business agents, 9 suppliers, 26 contractors, 61 subcontractors, 20 owners, 5 engineers and others.


Our new MEMBERSHIP APPLICATION FORMS do not have a place for telephone numbers — Please note back there in Washington, D.C. [Do you suppose they read the Predicator?]

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## DECEMBER MEETING

December Meeting was attended by about 50 people including three new members (Jim Price of Emerson Hardware Company, Leo Stout of Galvanizers Company and Peter Winkler, Architect).

Frank Rush of Pacific Power and Light presented a very timely topic "Energy Conservation." He began by describing some electric cars which are under development. He then presented the changes in Oregon Building Codes which have been made in the past few years. Oregon appears to require more insulation than other west coast states.

Energy Conserving Building Codes for Commercial Buildings are being developed but there is still no consensus as to what is required. Commercial Buildings often require larger cooling capacity than heating capacity.

The Presentation closed with a discussion of low interest or no interest loans for home weatherization. Again Oregon's Legislature is ahead of other states in requiring utilities to reduce residential fuel demands by paying for home weatherization.

P K

## A UNION MADE IN HEAVEN

The final way to improve the chances of the flat-plate collector is to marry it up with the amazing machine known as the heat pump, an electric-powered device that is already used in almost a million American homes for space heating. The heat pump is simply a device for moving heat "against the current" in the thermal sense, i.e., from a cold place to a warm place. Refrigerators are simple heat pumps that move heat from their interiors to the rest of the kitchen. In the case of space heating, the heat being moved is extracted from the out-of-doors, specifically from the sun-derived heat that is present in any outside air that is above absolute zero. In a sense, then, the heat pump is a solar device.

The flat-plate collector and the heat pump, it would seem, were made for each other. The efficiency of heat pumps falls sharply when the outside temperature drops below 20 degrees, which helps explain why they have not caught on north of the Mason-Dixon line. However, the pumps work beautifully in the far north if they can draw heat from water or air warmed to a modest 50 degrees or so by flat-plate collectors. These, in turn, function more efficiently if they do not have to bear the entire heating load on bitter-cold days.

Studies have shown that a home with a hybrid solar and heat-pump system will use only a quarter as much electricity for winter heating, or even less, as it will with electric heating of the resistance type. The only drawback in a hybrid system is that its rooftop collectors may sit idle in summer when, in most cases, the heat pump is reversed to function as a conventional air conditioner. Still, the heat pump and the flat-plate collector may have a big future together.

Feb. 76 Fortune p. 114 C3

## CONSULTING ENGINEER'S SPECIFICATIONS

7/78 Progressive Architecture article by Alvin D. Skolnik, FCSI, Director of Research for SOM, N.Y.

unless there are guidelines established in advance, specifications contributed by various engineering consultants may differ on important points. The author suggests ways to overcome those inconsistencies.

p85 Technics Specification Clinic — read the article for author's comments on establishing *Matrix and Coordinating Format, Style, Terminology* and ground rules on relationships.

ed

## 1978 National Estimates of Dodge Construction Potentials

CSI PINS FOR SALE \$2.25 Ask any board member.

Nonresidential Buildings	1978 Actual	1977 Preliminary*	1978 Forecast	Per Cent Change 1978/77
<b>Contract Value</b> (millions of dollars)				
Office Buildings	\$ 4,122	\$ 4,875	\$ 5,600	+15
Stores & Other Commercial	6,315	8,050	9,400	+17
Manufacturing Buildings	4,058	4,900	6,350	+30
<b>Total Commercial &amp; Manufacturing</b>	<b>\$14,495</b>	<b>\$17,825</b>	<b>\$21,350</b>	<b>+20</b>
Educational	\$ 4,980	\$ 4,975	\$ 5,325	+ 7
Hospital & Health	4,590	4,425	4,925	+11
Other Nonresidential Buildings	5,980	6,150	6,900	+12
<b>Total Institutional &amp; Other</b>	<b>\$15,550</b>	<b>\$15,550</b>	<b>\$17,150</b>	<b>+10</b>
<b>Total Nonresidential Buildings</b>	<b>\$30,045</b>	<b>\$33,375</b>	<b>\$38,500</b>	<b>+15</b>
<b>Floor Area</b> (millions of square feet)				
Office Buildings	108	125	135	+ 8
Stores & Other Commercial	343	405	445	+10
Manufacturing Buildings	151	175	210	+20
<b>Total Commercial &amp; Manufacturing</b>	<b>602</b>	<b>705</b>	<b>790</b>	<b>+12</b>
Educational	120	110	112	+ 2
Hospital & Health	74	65	68	+ 5
Other Nonresidential Buildings	173	170	180	+ 6
<b>Total Institutional &amp; Other</b>	<b>367</b>	<b>345</b>	<b>360</b>	<b>+ 4</b>
<b>Total Nonresidential Buildings</b>	<b>969</b>	<b>1,050</b>	<b>1,150</b>	<b>+10</b>

\*Eight months actual, four months estimated.

Residential Buildings	1978 Actual	1977 Preliminary*	1978 Forecast	Per Cent Change 1978/77
<b>Contract Value</b> (millions of dollars)				
1- & 2-Family Homes	\$36,547	\$48,800	\$48,600	-
Apartments	6,550	9,775	11,750	+20
Nonhousekeeping Residential	1,142	1,150	1,250	+ 9
<b>Total Residential Buildings</b>	<b>\$44,239</b>	<b>\$59,725</b>	<b>\$61,600</b>	<b>+ 3</b>
<b>Floor Area</b> (millions of square feet)				
1- & 2-Family Homes	1,531	1,890	1,750	- 7
Apartments	307	435	500	+15
Nonhousekeeping Residential	34	35	40	+14
<b>Total Residential Buildings</b>	<b>1,872</b>	<b>2,350</b>	<b>2,290</b>	<b>- 3</b>
<b>Dwelling Units</b> (thousands of units)**				
1- & 2-Family Homes	1,092	1,335	1,250	- 6
Apartments	335	475	550	+16
<b>Total Housekeeping Residential</b>	<b>1,427</b>	<b>1,810</b>	<b>1,800</b>	<b>- 1</b>
<b>Nonbuilding Construction</b>				
<b>Contract Value</b> (millions of dollars)				
Highways & Bridges	\$ 7,684	\$ 9,500	\$10,500	+11
Utilities	17,850	22,000	24,000	+ 9
Sewer & Water	6,159	7,100	8,000	+13
Other Nonbuilding Construction	3,811	4,400	4,400	-
<b>Total Nonbuilding Construction</b>	<b>\$35,704</b>	<b>\$43,000</b>	<b>\$46,900</b>	<b>+ 9</b>
<b>All Construction</b>				
<b>Contract Value</b> (millions of dollars)				
<b>Total Construction</b>	<b>\$109,988</b>	<b>\$136,100</b>	<b>\$147,000</b>	<b>+ 8</b>
<b>Dodge Index</b> (1967 = 100)	<b>199</b>	<b>247</b>	<b>266</b>	

\*Eight months actual, four months estimated.

\*\*F. W. Dodge basis.







## to the editor

The AMERICAN ARBITRATION ASSOCIATION arranged for copies of the first issue of our newsletter the *PUNCH LIST* to be sent to directors and staff members of the nine industry organizations that comprise the National Construction Industry Arbitration Committee. The *PUNCH LIST* was created to serve the special interests of engineers, architects, contractors, sub-contractors, consultants, and others working in the construction field. As you will note in this issue, nearly 1800 construction cases were filed with the AAA for administration in 1977. This substantial case load indicates the usefulness of arbitration as an important and effective method of resolving construction industry disputes.

In cooperation with the NCIAC, the AAA is engaged in a continuous effort to improve the rules, procedures, and level of services provided by the construction tribunal. It is our belief that the *PUNCH LIST* will also be an aid to this process by providing valuable information on arbitration to the industry. Each member organization of the NCIAC is encouraged to reprint with appropriate credits any material contained in the *PUNCH LIST* for use in its own newslet-

ter or journal. Larger quantities of each issue are available at cost from the AAA's Publication Department.

Sincerely,  
Michael F. Hoellering  
Case Administration  
Vice President

### PREDICATOR STAFF

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ASST. EDITOR: Still Looking  
CIRCULATION: Les Seeley  
COPY: Inga Vrla  
ADVERTISING: Bill Samuels  
COLUMNIST: Regular: Ken Searl BS by KS  
REPORTERS: Warren Koepke Meetings  
Perky Kilbourn  
ROSTER: Sampier, Seeley

FAILURES? COVER UP? Two editorials in Sept. '78 publications deal with this subject. Architectural Record wonders if another major ROUND TABLE would be a first step — (Maybe they would include CSI?)

Landscape Architecture contends that recording only success (the standard content of most North American magazines) is unscientific and that the investigation of error is essential to any scientific endeavor. (LA) Both publications feel that *more* professional critique is clearly warranted to be useful in avoid-

ing failure. The Construction Industry in the United States regards failure as the "Skeleton in the family closet" — the "bad" at the family picnic. (LA) While clients are demanding *more* performance — that designers be responsible for that performance — economists and a whole new sub-profession of consultants (AR) — squeeze the last nickel and dime out of the building contract. Money is the overriding pressure. Why can't we deal with failure? What's wrong with experimentation, new processes, trial (without trial can there be error?) innovation and exploration? Design without the possibility of failure is not possible today. The Lighthouse at Alexandria failed (earthquake) after 1200 useful years — still someone could have been crushed under the rubble.



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vol. 18, no. 6

construction specifications institute, portland chapter

Feb., 1979



## PRESIDENT'S COLUMN Bob Klas

After being on the job eight months, I would like to share a reflection on the business of CSI (Construction Communications) and the less important business of CSI Officers (Administration). At all levels we should question whether a proposal has significant impact on construction communications. The last thing any of us need is more

*Cont. p. 4*

## ESSENTIAL

*is the word for*  
**DIVISION 1,**  
**Master Guide**  
**Specifications.**

if you are using AIA-A-201 or NSPE/ACEC 1910-8- the Division 1 package is — essential!

Over two years of coordinated work with AIA, NSPE and AGC produced these much needed documents. Many changes are incorporated in this newly published work. Each set contains 24 of the most used sections relating to coordination with standard general conditions and guides to Supplementary conditions.

Portland Chapter CSI is presenting a 2 day seminar on DIVISION 1 — this month! [Four of our Chapter Members went to San Francisco last year to attend the same seminar — if you have questions call Ivan McCormick, Mary Alice Hutchins, Lee Kilbourn or Jim Tidwell.] LAST CALL!

*Cont. on Pgs. 6 & 7*

## CHAPTER MEETINGS SCHEDULE '78-'79

MARCH 13 program MOISTURE CONTROL

Coordinator Jim Davidson

APRIL 12 program at Coliseum

Coordinator

MAY 8 program HARDWARE—Unlocking the Mysteries of Finish Hardware—Jt with D H I O R E

Coordinate Ken Searl, CSI

JUNE 12 program Annual meeting & fun night

Coordinator Bob Klas

## UP COMING EVENTS

Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open (223-8231)

Tech Documents — Jan 18 5:30 p.m. 111 S.W. Oak — Lee's place  
Long range planning — at Dick Ehman's ofc

Program — 4th Thurs CSI Office — noon

SEMINAR Division 1 Feb 23 24 1979 Coordinators Dick Ehman FCSI, Larry Brown, FCSI

PRODUCTS FAIR, Coliseum, April 12, 1979 Free parking midday

16th NORTHWEST REGION Conference — Rosaria Resort, Orcas Island April 26-29, 1979 Plan your vacation now

23rd Annual Convention & Exhibit CONSTRUCTION SPECIFICATIONS INSTITUTE Cincinnati, Ohio June 17-20, 1979

## AROUND THE REGION

Regular chapter meetings

COOK INLET 3rd Wed (Call Harley Hightower, 276-2242)

PUGET SOUND 2nd Wed (Latitude 47)

SPOKANE 2nd Thur (Fireside Inn)

WILLAMETTE VALLEY 3rd Thur (Bev's Steak House)



**LES SEELEY, Coordinator** of our February

program has been an active member of CSI for two years — but was previously a member (1968). Les is CSI Membership Chairman (we are 5th from top in new member acquisition nationally) liaison between CSI-PC and Circulation Committee head for Predicator. Les is 2nd V Pres of P.C., is on the Board of Directors of Bldrs Exchange and is a 25 yr member with rank of Major in National Guard and a Battalion executive officer.

Seeley is sole proprietor of D E L Distributing Co., acting as manufacturers agent and distributor of commercial, industrial and residential building specialties, and in his spare time enjoys working with metals and playing with grandchildren.

## FEBRUARY PROGRAM



### LEGAL ASPECTS IN CONSTRUCTION

**tuesday, Feb. 13, 1979**

#### Reservations:

Members, guests, and spouses are invited. Phone Jan 223-8231 by 4 pm Feb 12, or come at 7:30 for the program only.

#### Place Time

The Mallory Hotel  
5:30 Social Hour  
6:30 Dinner — \$7.25 inc grat. no shows will be billed  
7:30 Program/Business

#### Business Program:

Nominating Committee  
Joint with Producer's Council — Les Seeley

#### Speakers

William Bill Sheridan, Attorney with firm of Toose, Kerr, Peterson, Marshall & Shenker — specialist in field of business law — will speak on the legal aspects of construction documents, products, services, contracts, insurance, language and others.  
Wayne Forsgren, Attorney w/Safeco Insurance Co.







**Revised Construction Dictionary Available**

The 4th Edition of the Construction Dictionary, edited and published by Greater Phoenix, Arizona Chapter of the National Association of Women in Construction (NAWIC) contains approximately 14,000 terms with 15,500 definitions. Also included are tables, facts and figures pertinent to construction, abbreviations, and listings of industry associations and government agencies. A new feature on architectural symbols found on blueprints has been added.

Both slang words and technical terms are listed. All areas of construction are covered, from general engineering and building to the specialty areas such as electrical and plumbing. Those related to the construction industry, such as accountants, attorneys, bonding and banking representatives, and those employed in construction offices, will have need for this reference book.

Copies of the new book may be ordered from local Chapters of NAWIC or directly from the Greater Phoenix, Arizona Chapter, NAWIC, Box 6142, Phoenix, AZ 85005 \$17.00 prepaid. Billed orders are \$18.00 per copy. Publication August 1978.

**BS by KS**

When I was asked to write this column it was agreed I could write about almost anything that was in the realm of construction specifications which covers a lot of territory. For those of you who are not sure what BS mentioned above is, I will re-state the meaning. BS in this case refers to basic specs, better specs or just plain 'bout specs. There now, I hope this clears up any misconceptions you may have had.

This month I decided to say a few words about concrete. A lot of people call concrete *cement* and most of us just look at it and say, Oh what the heck? Concrete is just a gray blob and the only reason we use it is because we've always done it that way.

First of all, in building construction the three most critical or important items are the foundation, usually concrete, the material it is placed on and the roof structure including roofing. Without these a building is nothing. Over the years I have done a lot of observation of poured-in-place concrete and I will pass some of these observations on to you.

We hear a lot of stress being placed on sampling and testing of concrete and prescribed methods are in printed form. For years if a test cylinder or cylinders did not meet required strength it was a tendency to blame the person who cast the test cylinders, making claims that you didn't follow proper procedures or let them put too much water in the mix. When I was younger I sort of believed all this baloney but then I decided to find out for myself if this was true. The answers are no it is not true.

One can take a test cylinder by filling it all at once, rapping it a few times on the sides and smoothing off the top and lo and behold the test will often times exceed cylinders taken in the prescribed manner by 100 to 400 P.S.I. Also, I ran some tests deliberately adding too much water and here again they sometimes fell 100 to 200 P.S.I. And often times were the same or 100 to 200 P.S.I. stronger. Now what I am saying is that one should always, and I repeat always, take concrete test cylinders in the prescribed manner because this is a standard norm and gives consistency of testing. What I am also saying, if in the future tests run lower than required, don't blame the test procedures, blame the mix or the cement. In case you didn't know, cement and aggregate procedures have problems also. Some specifications I have read are much too stringent on concrete slump. On regular concrete 3 to 5 inches is not excessive. There are some exceptions, however, notably topping slabs or thin slabs. I recommend in the vicinity of 2 inches for these rascals. Another item to remember is do not pour slabs on grade or sidewalks directly over crushed gravel or more checking and cracking will occur. Place a layer of sand or other means over the crushed gravel so that poured concrete can slip.

In closing I will add one more tidbit of information that should be interesting. Years ago I handled test cylinders after casting with great care believing the verbal and printed instructions I received. Well, to make a long story short, I took 4 test cylinders that were 24 hours old to the testing laboratory and unloaded them gently at their rear dock and then a very large lab assistant grabbed them, cut off the waxed cardboard, laid them on their side and kicked them, rolling them over to the other side of the lab stopping when they hit a concrete block wall. Yes, you guessed it, these cylinders all exceeded the strength requirements. I still don't recommend this method of handling but the point is, don't be scared of the cylinders either.


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**SAUNA**

*Pres. Col. fr. p. 1*

"busy work" or reprints that will not be read. This comment was not generated by any particular incident but it does seem a dangerous trend, and it also permits a segway into the main topic.

When thinking about communications problems and unnecessary paperwork, the government comes to mind. CSI has done a creditable job of improving communication between designers and builders, but there is no apparent effort to effectively simplify communication with government agencies who increasingly think they must oversee our professional efforts. We can usually determine a time and cost for doing our part of the building process, but anyone who has dealt with the government quickly learns that any time and cost estimate for that has to be a wild guess. There have been efforts to simplify the process, but they always seem to result in another layer of bureaucracy. Even the agencies themselves do not seem to understand the problem beyond their own bailiwicks. Much of the problem lies with the increasing number of agencies and inadequately trained staffs, their overlapping concerns and unnecessary regulations, and constantly varying interpretations of the requirements.

The Portland Chapter has held meetings to help us understand. However, we cannot achieve much in a single meeting or individually. Since we are not going to change the situation in our professional lifetime, perhaps it is time for the Construction Industry to take the initiative. Can we not work together to develop a format and research and determine the agencies and the guidelines that would affect any particular project or locality? We will be told that this already exists, but the problem is that it cannot be found in one location and no one has compared all the parts. This is certainly a project of enormous dimensions, however, if all of us shared what we already know, we would have a very good start. The shared research would save everyone time, and we would be strengthened by knowing the guidelines and interpretations each of us are subject to. As a group we could demand equitable and consistent regulation.

No political intentions should enter this project. The indisputable fact is that this is an increasingly time consuming area of construction communications that cries for our attention in a positive effort to solve a very large problem. I know of the situation as an Architect. Owners, Contractors and Suppliers have similar experiences which we should be aware of. Please let me have your ideas.

*SIGNED*

*THE FOOL WHO RUSHES IN, WHERE ANGELS FEAR TO TREAD*

**Board of Directors' Meeting  
December 14, 1978 12:00 Noon**

**PEOPLE IN ATTENDANCE:** Ashton, Eggleston, Klas, Kilbourn, Koepke, Largent, Lundy, Murphy, Obert & Sampier. **Tod Lundy** announced his resignation for the Board of Director and President-Elect position due to personal commitments. Motion was made, seconded and passed to accept **Tod's** resignation.

**Membership** — Our membership is currently at 183 paid-up members.

**Technical Committee:** Lee Kilbourn announced Thursday, January 18th is the next technical committee meeting. Also a technical aid series is being written.

**Education:** Dennis Obert discussed having a mini seminar on Master Format at the Products Fair in April.

**Products Fair:** Don Eggleston reported a master exhibit list is being compiled for the 5th Annual Products Fair to be held April 12, 1979. Decorators West has been selected for the fair and lunch will be catered with a no host bar.

**Bill Samuels** announced his firm will transfer him to Seattle effective January 1st however he will continue on the Board as he will be traveling from Seattle to Portland.

Treasurer **Don Ashton** presented financial report for first and second quarters with a analysis of how financial activities are relating to budget estimates. Current totals in checking \$355.00 in Savings \$4,512,000. The Board discussed mailing permits and motion was made, seconded and passed to purchase a mailing permit in Portland.

Meeting adjourned at 1:20 P.M.

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**MEMBER AWARENESS**



Ken Searl (alias KS) has been appointed to The Joint Committee — (AIA-AGC-CSI-CECO) by Bob Klas. A meeting is scheduled for Jan. 25th. Watch for a report.

Bill Samuel has been promoted to the Seattle office for several months but he will be back.

This seems to be a stressful time with many board members. Business and personal obligations have necessitated two resignations (Hunt Jones and Tod Lundy). Replacements are being sought as are new board members (for next year). You may be contacted by either your president, Bob Klas (resignations) or your nominating committee, Dexter Walter. Please be prepared to serve your chapter. We have a good chapter but

leadership is the key element and that is you! How many times have you thought that you could do it better? We need YOU!

Stan Nelson has been appointed to fill Tod Lundy's unexpired term on the Board of Directors. Stan is an architect with the Vancouver, Wn firm of Cassidy & Associates.

**COURT ASKED TO RULE IN STRIKE ISSUE**

Should workers on strike be entitled to receive unemployment compensation? This question, long debated in state and lower federal courts, now may reach the U.S. Supreme Court. The Chamber of Commerce of the United States, through its litigation center, has asked the high court to review three court cases in which the Chamber has challenged the legality of such payments on the ground the payments give strikers an upper hand in dealing with employers during contract negotiations.

**Nominating Committee Report**

Industry members who have accepted the honor and obligation of serving on the Board of Directors if elected are: Jim King, SNYDER ROOFING; Pat Murphy, WESTERN BLOCK, INC.; Les Seeley, D E L DISTRIBUTING CO.; Kieth Schaber, CONSOLIDATED FIBER-GLASS PRODUCTS, INC. (One to be elected).


Professional Members who have agreed to run are: Ivan McCormack, SOM; Al Stahler, Architect; Bill Chrisemer, BGB&G ARCHITECTS. (Two to be elected).

Nominations will be asked for from the floor at the February meeting. March will be our election meeting.

Dexter Walter, Chmn

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

- |                |   |          |
|----------------|---|----------|
| Stan E. Kuback | UMA Engineers, Inc.<br>Board of Trade Bldg., Suite 700<br>310 S.W. 4th Ave.<br>Portland, Oregon 97204 | 224-6300 |
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# Division 1

## The BIG "1"

**"New Division 1  
Package Available"**

(CSI Newsdigest April '78)

**"CSI Division 1  
Seminars Scheduled"**

(CSI Newsdigest Sept. '78)

**"Seminar to Emphasize  
Purpose of Division 1"**

(CSI Newsdigest Oct. '78)

**"Sixth Division 1  
Seminar Set for Boston"**

(CSI Newsdigest Nov. '78)

These headlines indicate a renewed emphasis being put on the development and proper usage of Division 1 sections. Why? The answer is simple! It (Division 1) is an idea whose time has come!

Although Division 1 has been with us since the introduction of the 16 Division CSI Format in 1963, it has been unused—and disabused, principally for two reasons: first over a period of many years, published General Conditions, such as those of the American Institute of Architects, and the National Society of Professional Engineers, had progressively—for want of a better location—included administrative and work-related clauses. This inclusion both reduced the clarity of the General Conditions and obstructed the development of Division 1 sections. Second, due to lack of well developed guides for Division 1 sections, there was little

**Division One—General Requirements is designed to be an organizational key to the written construction documents; (1) Bidding Requirements, (2) Contract Forms, (3) Conditions of the Contract and (4) Specifications.**

awareness of the purpose and potential of the Division.

Happily, both the obstacles mentioned have been essentially overcome. Current editions of AIA's General Conditions and those produced jointly by the American Consulting Engineers Council, the National Society of Professional Engineers/Professional Engineers in Private Practice, and the American Society of Civil Engineers are constructed to allow for expansion of administrative and work-related requirements by using Division 1 sections.

The CSI Division 1 Master Guide Specifications published in April 1978 are worded to avoid conflict with the specific references included in these General Conditions and provide the needed coordination and guidance for the key sections.

Further impetus to using Division 1 was provided in 1977 with the publication "Uniform Location of Subject Matter—Information in Construction Documents", jointly issued by CSI, NSPE/PEPP, ACEC, and AIA. This document gives recognition to a principle that CSI has long espoused, that of addressing subject matter in *only* one location, thus avoiding confusion and unanticipated legal consequences. Let us look at—the *Concept of Division 1*.

Division One—General Requirements is designed to be an organizational key to the written construction documents, (1) Bidding Requirements, (2) Contract Forms, (3) Conditions of the Contract and (4) Specifications. Proper utilization of Division 1 as a coordinating element, integrating the specifications and the other three groupings of documentary material will be of great benefit to the construction industry by providing consistent arrangement, clarity, greater assurance that documents are complete, and increased efficiency in writing, using and administering Bidding and Contract Documents.

## Division 1 and Bidding Requirements

To understand the use of Division 1 the entire content of *construction documents* must be properly categorized, each element placed in context with the other—without duplication.

Figure 1 illustrates these elements and also graphically defines two distinct terms: *Bidding Documents* and *Contract Documents*. As illustrated, (in accordance with current published General Conditions), the Bidding Requirements are *not* a part of contract documents. Thus, provisions stated *only* in bidding documents may not be legally enforceable during the course of construction. The solution—utilize Division 1 for those provisions which must remain enforceable: work covered by contract documents, the scope of separate contracts, procedures for consideration of substitutions and product options, and procedures for resolution of discrepancies and ambiguities.

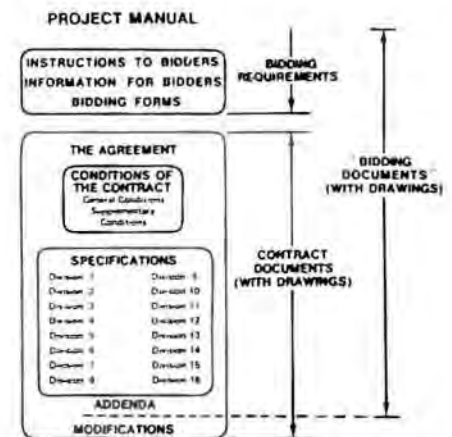


Figure 1

As a practical consideration, items in Bidding Requirements should be stated only in sufficient detail to cover the bidding period. The expanded requirements needed during administration of the construction contract are simply not warranted in Bidding Requirements. The CSI Manual of Practice long-standing principle that a matter should be stated only once applies here. Sections of Division 1 should specify the total job requirements, with cross references in Bidding Requirements, if needed, to direct the Bidder to the topic in Division 1.



## Division 1 and Conditions of the Contract

Conditions of the Contract, when using published standard documents, consist of General Conditions and Supplementary Conditions. The General Conditions contain basic provisions affecting the rights and duties of parties involved which are relatively constant—typical of the vast percentage of projects constructed. There are, of course, provisions of the General Conditions that will require supplements—modifications—due to project requirements and regional variations. These are contained in Supplementary Conditions, as are additional articles, such as specific requirements for insurance, and requirements for certification of prevailing wage rates. Preparation of Supplementary Conditions should be carefully controlled to assure that provisions specified in Division 1 are not repeated in Supplementary Conditions.

Division 1 sections related to stated provisions in General Conditions, expand upon those provisions which are work-related, procedural, and strictly administrative and have common application to sections of Division 2 thru 16. For example, the Division 1 section on Shop Drawings, Product Data, and Samples (Section 01340) contains the procedural and processing requirements, expanding upon the basic provision of General Conditions which requires their submission as a duty.

## Division 1 Specification Sections

Division 1 sections specify three categories of information:

- Administrative requirements, such as definition of type and scope of the contract, relation to other contracts (if any), and contractor's and owner's responsibilities in the use of the site during construction
- Procedural matters, such as submittals, schedules, testing laboratory services, record documents and contract closeout procedures
- Temporary Construction Facilities required, to be furnished by contractor, or owner

Specifications in use prior to development of the Division 1 concept routinely contain repetitive provisions in various sections which relate to the same administrative or procedural matters, such as: Allowances, Shop Drawings, Product Data & Samples, Testing Laboratory Services, and Substitutions and Product Options. Many such specifications have evolved into office masters and developed into commercial master specifications stored in computer banks for access by various disciplines.

Division 1 sections are designed to be used with Products Specifications (in Division 2-16). However, under a basic principle of the CSI Manual of Practice, a requirement should be stated only once in any Project Manual (e.g., the dollar values of every cash allowance should be stated once—in the Division 1 Section 'Allowances', the section specifying the product under the allowance should then cross-reference back to the 'Allowances' section for that dollar value).

The Specifier should carefully review every section of the Product Specifications (in Division 2-16) and should delete all provisions which are stated in Division 1 sections, then insert a cross reference to the proper Division 1 section.

## Guidance

Seminars on the Use of Division 1 are being presented by local chapters in various cities of the country. Developed under the auspices of CSI's Education Committee, the basic seminar is based on current CSI Manual of Practice publications and CSI's Master Guide Specifications Series. Copies of these publications and other documents referenced can be obtained by utilizing the publications listing and order form printed monthly in *The Construction Specifier*.

## Division I—Master Guide Specifications

- 01000 Instructions
- 01010 Summary of Work  
Establishes the type of contract, work by others, future work, work sequence, use of premises and owner-furnished items.
- 01020 Allowances  
Covers both cash and contingency allowances.
- 01042 Mechanical and Electrical Coordination  
For major project involving complex system and controls.
- 01045 Cutting and Patching
- 01050 Field Engineering  
Contractors responsibility when survey work or special field engineering is required during construction.
- 01100 Alternates/Alternatives  
Covers substitution of products and methods, and changes of project scope.
- 01152 Applications for Payment  
Progress and final payment.
- 01200 Project Meetings
- 01310 Construction Schedules
- 01340 Shop Drawings, Product Data and Samples
- 01370 Schedule of Values
- 01380 Construction Photographs
- 01410 Testing Laboratory Services
- 01510 Temporary Utilities
- 01520 Construction Aids
- 01530 Barriers
- 01580 Project Identification and Signs
- 01590 Field Offices and Sheds
- 01600 Material and Equipment  
Covers more requirements than what is stated in General Conditions.
- 01700 Contract Closeout  
Covers administrative procedures for all parties but not work items.
- 01710 Cleaning
- 01720 Project Record Documents
- 01730 Operating and Maintenance Data
- 01740 Warranties and Bonds

### February Crisis

Rob McDonald's column has been pulled out (at his request) due to premature release. Watch for it next month.



## to the editor

Dear Margie

Pardon me while I take the time to comment on the work of the Technical Committee sub-committee on Page Format, January **Predicator**. Usually whenever there are articles on increasing standardization in format of specifications which just are not applicable to the small office practitioner they appear in one of the national publications of CSI and are too remote to deserve a reply, but when one appears in our local organ the perpetrators are more accessible and should be challenged before anyone believes that their suggestions are the gospel and somehow binding whether or not they make any sense.

Possibly I am still remembering John Crook's letter on *numbering* some issues ago: it was one of the times I have agreed with John, but he was right-on in attacking the numbering rigidity of the Manual of Practice. I would like to take on the proponents of the proposed paragraphing and indentation.

The ten percent of architectural and engineering offices which have the volume and staff resources to avail themselves

of dataprocessing and word processing equipment will have no problem in adapting their formats and numbering to nearly any system of standardization. The current CSI Format and its five digit section numbering system and paragraph and line numbering is a natural for the automated word processing equipment and programs, which are also able to do any amount of indentation with little trouble. Architects and engineers who plan formats should also have to do the typing of a manually produced specification at least once to understand the work, errors, and tedium which is a result of any increase in the amount of tabular work in the copy. It makes very little difference whether the office is still using a cut-and-paste spec writing method (Most do) or work from some form of office master specification in manual typing and reproduction of specifications, any simplification of the format which contributes to the speed and accuracy of the production of the finished product is money and liability saved. It is a mistake of CSI to give the impression that standardization on a format which is easily reproduced by a computer or a drudge is a necessity which is binding on the predominant


one and less-than-ten offices with a human typist, possibly the architect himself.

I don't offer my format as perfect. There are obviously many improvements which I should make for the sake of clarity, but it shows one form that a very basic format can take using a minimum of indentation and numbering, and I would a lot rather type my format than the one recommended by the sub-committee, with some obvious improvements — next time.

Sincerely,

AI

**MUTUAL MATERIALS**



**DEXTER WALTER, CSI**

Office 656-7166

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# the predicator



vol. 18, no. 7

construction specifications institute, portland chapter

Mar., 1979



**PRESIDENT'S COLUMN** Bob Klas

Our Board of Directors will be reinforced by the election of three new members this month. We have a very able President-Elect in Rod Moorman, who at this moment, is considering the important selection of Committee Chairman for next year. The Portland Chapter will continue to function under the best available guidance. However, it has not been easy, particularly in the selection of an eligible President. Even with last year's decision to open the Presidency to Industry members, the By-Laws are very restrictive about who is eligible to serve in this office.

Three Directors are elected each year to serve three year terms. A person must serve on the Board one year to be eligible for the President-Elect position. Then a year as President-Elect is expected before a person can serve as President. This means that one of the three Directors elected each year can be expected to serve as President three years hence. On the face of it, this procedure seems to present some choice, however, resignations and new appointments make some of the Directors ineligible because they have not served enough time on the Board.

We must also remember that CSI is a volunteer organization. As committed as many people may be to the goals of CSI, their work and family requirements simply will not permit them devoting the time required to serve as President. In any position of responsibility, particularly the Presidency, an individual must want to do the job well, be able to find the time it requires, and get some satisfaction from it. We cannot settle for less.

We have had situations where there was no one eligible under the above require-

ments to serve as President. It appears the By-Laws need some refinement to get us out of this dilemma, but it should be done carefully, rather than quickly. I do not have a solution, however, I do know that a couple years service on the Board of Directors is essential for an individual to perform as President.

A certain way to ease most of our problems is to activate the most worthwhile advice we have received from the Long Range Planning Committee — development of leadership. At all levels as many members as possible must be actively involved in attendance, helping with single projects, and committee assignments leading to positions of more responsibility such as Chairmanships and Directorships. We have a great resource of able people who are waiting to be asked to help. It is vital that as many as possible volunteer to spread the work load and the experience.

Bob

## CHAPTER MEETINGS SCHEDULE '78-'79

- APRIL 12 program at Coliseum  
Coordinator Jim Davidson  
MAY 8 program HARDWARE-Unlocking the Mysteries of Finish Hardware-It with D H I ORE  
Coordinate Ken Searl, CSI  
JUNE 12 program Annual meeting & fun night  
Coordinator

## UP COMING EVENTS

- Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open (223-8231)  
Tech Documents — March 8, 5:30 p.m. 111 S W Oak — Lee's place.  
Long range planning — at Dick Ehman's office  
Program — 4th Thurs CSI Office — noon  
PRODUCTS FAIR, Coliseum, April 12, 1979 Free parking midday  
16th NORTHWEST REGION Conference — Rosaria Resort, Orcas Island April 26-29, 1979 Plan your vacation now  
23rd Annual Convention & Exhibit CONSTRUCTION SPECIFICATIONS INSTITUTE Cincinnati, Ohio June 17-20, 1979

## MARCH PROGRAM

**SPECIFYING ENERGY CONSERVATION IN OREGON UNDER CHAPTER 53, U.B.C.**

**tuesday, March 13, 1979**

RESERVATIONS Members, guests and spouses are invited for dinner. Phone Janet Hill at 223-8231 by 4 pm March 12, or come at 7:30 for the program only.

Place The Mallory Hotel  
729 S W 15th Ave. Portland

Time 5:30 Social Hour  
6:30 Dinner — \$7.25 including gratuity. No shows will be billed.

7:30 Panel Discussion. Lee Kilbourn, Moderator.

Don Benz, P.E., will tell us how equipment manufacturers are meeting code requirements and explain energy-related jargon.

Carl Fullman, P.E., will discuss key points of Chapter 53 as applicable to commercial and residential construction. Mr. Fullman is a member of the Oregon State Energy Conservation Board.

Larry Carson, P.E., CSI will discuss design and specifications methods and methods of coordinating with other professionals.

Jim Griffith will discuss the concerns of building officials. Mr. Griffith is director of the City of Portland Bureau of Buildings.

**HIGHLIGHTS OF CHAPTER 53, ENERGY CONSERVATION STATE OF OREGON STRUCTURAL SPECIALTY CODE**

by Larry M. Carson, P.E., CSI

The following summarizes key points in the recently updated Energy Conservation Chapter. These highlights are not intended to substitute for a thorough review of the chapter.

GENERAL

cont. p. 2



*cont. from p. 1*

*Scope* — Chapter 53 was updated effective January 1, 1979 to include all building occupancies in addition to residential occupancies. The chapter applies to construction of building envelopes as well as energy consuming mechanical systems, and differentiates between residential and other occupancies throughout its text. Electrical systems are not within the scope of Chapter 53.

*Plans and Specifications* — Plans and specifications must contain pertinent building envelope and mechanical system data to indicate compliance with the chapter. Plans and specifications are subject to a plan review with computations required at the discretion of the building official. However, the presence of an architect's/engineer's stamp must be accepted by the building official in lieu of the plans check.

*Alternative Systems* — Chapter 53 provides for construction of buildings which do not comply with the chapter, if it is proven that the building will use less energy than a building constructed in accordance with the chapter. Supporting computations required by this provision might be simple in some situations, but could involve a computerized energy analysis in other situations.

**BUILDING ENVELOPE**

*Building Components* — Chapter 53 addresses building construction by three basic components: (1) roof/ceilings, (2) walls, and (3) floors.

*U Values* — Chapter 53 prescribes the overall thermal transmittance values,  $U_0$  values, for each building component with formulas, tables and graphs included in the chapter. These  $U_0$  values are more restrictive for residential occupancies than for other occupancies.  $U_0$  values for roof and wall components are determined by a weighted average of different construction elements such as walls, windows and doors. The practical effect of this weighted average is to limit glass areas. At this point, the chapter does not set forth any requirements for the thermal efficiency of walls except for residential occupancies. However, the Department of Commerce has indicated that such requirements will be forthcoming.

*Mass Effect* — The  $U_0$  value of any component may be modified by as much as 15% depending on the mass of that component. In effect, the heavier the construction, the less insulation required.

*Tradeoffs* — The chapter provides for tradeoffs between building components. For example, a floor could be designed with less insulation than that prescribed by the chapter, if insulation was provided in the roof in excess of chapter requirements, such that the energy consumption of the building was not increased.

*Vapor Barriers* — The chapter has specific requirements for vapor barriers in residential occupancies, but no requirements for other occupancies at this time. Vapor barriers for occupancies other than residential could possibly be implemented at the time that  $U_0$  values for walls are prescribed.

*Air Leakage* — The chapter specifies air leakage criteria for windows and doors and requires sealing of all building joints.

**MECHANICAL SYSTEMS**

*Scope* — Chapter 53 regulates HVAC and domestic hot water systems. Special applications such as hospitals, laboratories, computer rooms and manufacturing processes are excluded.

*Cooling With Outdoor Air* — The chapter requires that all buildings which are cooled have the provision for using 100% outside air for cooling when it will reduce the overall energy consumption. Although there are a number of exceptions, including heat recovery systems, most HVAC systems above a certain size will be required to have this provision. This is consistent with current energy conservation design practices.

*Simultaneous Heating and Cooling* — The chapter limits the situations under which simultaneous heating and cooling (reheat systems) may be

used. Again, this has been an energy conservation design consideration for some time. The chapter does eliminate some situations where — in the past — the life cycle energy efficiency of a building has been sacrificed to reduce the initial cost of the HVAC system.

*Other HVAC Considerations* — The chapter also has requirements concerning mechanical ventilation, equipment efficiency, insulation, temperature zoning and automatic temperature controls, most of which are consistent with current energy efficient design practices.

*Showers* — Showers (except safety showers) must have 3 gallon per minute flow restrictors.

*Lavatories* (in restrooms except residential occupancies) — Lavatories must limit the flow of hot water to 0.5 gallons per minute, limit the hot water temperature to 110° F, and have self-closing valves that limit hot water flow to 0.25 gallons. At the present time, these requirements limit the variety of trim that may be installed on lavatories in this category.

**Moisture control** is a problem in insulated buildings. Water vapor will condense to liquid as it moves from the warm inside to the cold outside. There usually is an excess of water in the warm inside air which will condense to liquid as it moves from the warm inside to the cold outside.

The temperature at which the water condenses is the dew point. In uninsulated homes the dew point may occur on the surface of the inside wall the same as windows sweat and fog over.

*cont. p. 7***NORTHWEST REGION "THE TIME OF YOUR LIFE"**

We would like to take this opportunity to remind you that the Region Conference is for **all members of CSI**. We hope that you will plan to attend and take advantage of the location for this conference as a mini-vacation. The location selected for this conference is Rosario Island Resort located on Orcas Island in the San Juan Islands — part of the Northwest "Sunshine Belt". The resort's thousand acre estate reaches up the slopes from the shore in an unspoiled woodland wilderness with well maintained trails for hikers to explore. There is also boating, tennis on one of the two championship tennis courts, golf just a few miles from the resort at the Orcas Island Golf Course, fishing, and swimming in one of the three pools which dot the Rosario grounds — one indoors for all weather use.

**Region Conference Speaker: Jim Hodgkinson, CSI, Edmonton, Alberta, Canada (Ken's #2 subscriber to Predicator) will speak on "Specifications Canadian Style". Simone and Jim will be bunking next to Ken and Wilma at the Villa.**



# TDC — Fiscal Year '78-'79

Rob MacDonald  
Participating Member  
NW Region  
CSI Technical Doc. Com.

The entire construction industry, including 11 000 Construction Specifications Institute members, Architects, Engineers, Contractors, and those who receive pass along copies of CSI publications, will welcome CSI's 1979 program of technical information to the industry.

The Technical Documents Committee meeting in Kansas City Crown Center December 9 and 10, 1978, established and laid the cornerstone for a comprehensive two-year plan called "CDS — Construction Data System." This system proposes a project manual that would consist of a series of *guides* (by subject matter) incorporating the Technical Aid Series (TAS), the MGS Spec/Text, This Guide Text Commentary, Coordination Spec/Data, Manu/Spec Standards Commentary, Inspection and Field Quality Control, Glossary, Regional and Local Terms and Practices.

The new CSI to be released hard copies of the Master Guide Specifications, MGS Spec/Text form the nucleus of this system. MGS Spec/Text consists of specification documents ready for quick editing, covering 220 product specifications, including mechanical and electrical subjects.

Technical Aid Series (TAS) documents play an important role in the overall CDS program. Chapters and individuals working on current TAS documents are urged to complete them and to review and revise them when each MGS Spec/Text becomes available.

A TAS document consists of source material to write a specification (or obtain technical knowledge) such as applicable standards, association and institute publications, related books, manuals, articles, applicable codes, manufacturers' information, available specification guides and/or aids (example TAS 15450 Plumbing Fixtures and Trim).

Perhaps you have an untapped expertise in one of these subjects. Contact your local CSI Chapter Technical Chairman and let him help you prepare one of these documents for your fellow industry members.

Two hundred eleven TAS documents have been published as of December 5, 1978. 40 more are currently ready for printing and 200 working assignments are underway in the USA Northwest Region has been given 44 assignments, 29 of which are assigned, 2 under publication production, and 13 have been printed in the fiscal year 1978-1979. When completed, the total number TAS documents will be 450-500. CSI expects to release the first group of MGS Spec/Text by April 1979. The total effort will be worth it to everyone.

## Rob

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John Ruskin  
1819 - 1900

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**SAUNA**

**February Meeting**

The February dinner meeting was held jointly with Producers Council at The Mallory Hotel and featured William Sheridan attorney with Toose, Kern, Peterson, Marshall & Shenker and Wayne Forsgren of Safeco Insurance Co., who spoke on the subject of 'Product Liability'

Prior to the program, Dick Ehmann commented on the upcoming Division 1 Seminar February 23 & 24, and Rod Moorman reminded everyone of the Products Fair on April 12

The following members were then nominated for chapter directors: William Chrisemer, Ivan McCormick, Al Staehli, Mary Alice Hutchins, Jim King, Pat Murphy, Keith Schaber, and Les Seely. There were no other nominations from the floor.

Bob Klas then introduced Ken Searl (himself) as a nominee for Region Director. Ken commented on 'Letters to the Editor' which culminated in a standing ovation for our present Predicator Editor Margie Largent.

The program was then turned over to Les Seely who introduced the speakers.

Bill Sheridan spoke at length on the legal aspects of product liability, and described in detail the different types of warranties. He summed up by saying the best way to stay out of trouble is to be sure when you represent a product as meeting a particular specification, that it does *in fact* do just that.

Wayne Forsgren then spoke about the necessity in today's business world of adequate insurance coverage, particularly as it relates to product liability.

The meeting adjourned at approximately 9:30 p.m.

There were 56 people in attendance.

Warren Koepke

**Nominating Committee Report**

**Industry nominees:**

**KEITH SCHABER** joined CSI in 1971 — was membership chairman in 1974, participated in CSI Spec. judging in 1974, worked on Products Fair in 1979, presented a CSI Roofing Seminar in 1973. Keith is sales rep. for *Conglas*. He would like to involve more contractors and owners to develop readable specs.

**PAT MURPHY** joined CSI in 1976 — is currently chairman of the Hospitality and Telephone Committee and worked with AIA on the newly founded (78) Annual CSI/AIA Golf Tournament. Father: Bill Murphy, and Pat own *Western Block Co.* Pat graduated from O.C.E. '74, background of Business Adm. at O.S.U., Journalism at U of O., as well as numerous night courses in electronics, finances and management. Pat seeks to increase the professional membership and participation of CSI.

**JIM KING** — *Snyder Roofing & Sheet Metal Inc.* — CSI '70 Past president of National Roofing Contractors Ass'n. Jim was part of our last program on Roofing.

**LES SEELY** — please read the Predicator Feb. '79 page 1. Tells all about Les.

**Professional Nominees:**

**IVAN McCORMICK (SOM)** joined CSI in 1971 — is a member of the Products Fair Committee '79. Attended as delegate — National Conventions in Washington '73, Portland '74, Denver '77.

Ivan has had other personal involvements that kept him from being more 'busy' in CSI affairs — But is now able and willing.

**MARY ALICE HUTCHINS** Architect (specification consultant) has been a member of CSI since its founding. She has been a member of the Portland Chapter since 1972, has attended 6 National conventions — (delegate to most of these), at least 6 Region Conventions, was photographer (1976), assisted on Tech. documents 1977 and archivist 1978. She has returned to

**TOM E. CLUCAS**  
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Honolulu for Specification Consultation from time to time although Portland is now her home

AL STAEBLI joined CSI in 1972 — has coordinated two CSI programs and is a member of American Arbitration Assn — See Dec. Predictor

WILLIAM CHRISEMER, CSI 74 Bill lives in Salem works in Portland for BGBG Architects — and wants to be working closer with CSI



**Tod Lundy**

Tod has a Master of Architecture degree his own architectural office at 8350 SW Stark St. He is co-program chairman (78-79) was program chairman 77-78, and in his spare time does some building

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

Jim Palmquist	Standard Dry Wall Products 4972 Cascade Hwy S E Sublimity Oregon 97385	769-6105
(Bud) Kingsley T Wall Cal-Wood Door Santa Rosa, Ca	10560 N W Lee St Portland, Oregon 97229	644-0761
James O Hess	E W Shields, Inc P O Box 66306 Portland Oregon 97266	777-5481
Marlis A Rufener	Kelly-Goodwin Hardwood 3079 N W Front Portland, Oregon 97210	222-1604
James Walsh	Mitchell, Nelson & Walsh 1420 S W Broadway Portland, Oregon 97201	225-0822
David A Rude	BEC Engineers Inc 301 E McLoughlin Blvd Vancouver, Washington 98663	
Ken Hilligoss	Glynbrook Construction P O Box 932 Salem Oregon 97308	390-1190
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## CSI DOCUMENT 06100 SPECIFYING:

ROUGH CARPENTRY, OCTOBER 1968

(Published in *The Construction Specifier*), By DON WALLACE, CSI AIA

## 2.01 MATERIALS

- A 3 End Jointed Lumber PS-56 appears on finger jointed lumber interchangeable with solid sawn lumber. PS-56 does not necessarily appear on end-jointed Stud grade or Construction, Standard or Utility grades when used for studs
- A 4 b Studs 2 to 4 thick, 2" to 6" wide 10 ft and shorter (Note — generally sold in pre-cut lengths, 2x4 and 2x6)
- A 4 c Structural Light Framing Sizes indicated are incorrect, should be 2" to 4" thick, 2" to 4" wide (Both editing options)
- A 4 c (1) When specifying by Fb value, state whether repetitive or single member value
- A 4 c (3) MC-15, or moisture content 15% is not readily available in western species. Specify S-DRY for dry material (19% moisture content) or S-GRN K.D. designation is normally only available in Southern Yellow Pine
- A 4 c (4) Dense designation is only available in Douglas Fir-Larch in western species. Mills manufacture this grade on a special order basis, and naturally prefer large quantities
- A 4 d Change dimensions to 2" to 4" thick, 5" and wider (both editing options)
- A 4 d (1) Same note as per A 4 c (1) and (3) and A 4 c (3) regarding Fb and moisture content
- A 5 b (2) The Uniform Building Code restricts use of No. 4 or Utility grade to solid sheathing. No. 3 Common or Standard grade can be used for spaced sheathing

## GENERAL INFORMATION

- Machine stress rated material should be noted as a potential option for light framing, structural light framing and structural joist and planks. See page 13 of the 11/78 WWPA Product Use Manual for allowable stresses (call Don) (or Shar Escudero) at 224-3930 for a copy if you need one)
- Western species framing lumber does not make any distinction between kiln drying or air drying. Specify 19% moisture content at the time of manufacture when dry framing is desired. Gradestamp will indicate S-DRY. Typically the industry does not dry lumber over 2" thick

BS by KS

For several years now we have been talking about changing to the metric system but as yet progress along this line hasn't been exactly greased lightning. I think what has happened to some extent is that many people have the attitude that when everyone else is doing it then they will be forced to do the same. In my area I was probably one of the first to use metrics in specifications, mostly in measurements. I'm not sure myself that I can convert to the metric system for weight and liquid measurements but I have noticed that a liter is mighty close in size to a quart. In our specifications we include two pages of metric tables (Section 01088) listing various conversions including temperature. It is interesting to note that 40° below is the same in both Celsius and Fahrenheit.

By now you are probably wondering how come this rascal Searl got started using the metric system. Well, for a long time I had mixed emotions about the subject but I finally decided if we were ever going to do it we should get started. For some time, though, I didn't really have a great enthusiasm until one day I was doing some carpenter work at home and the only tape measure I could find was one I had purchased in England that showed both inches and centimeters. Well, to make a long story short, pretty soon I discovered I was taking measurements in meters and centimeters and sawing a board or piece of plywood to fit using the metric system 100%. It was so much simpler and easier to run out to a simple centimeter or meter measurement than using inches and feet. Try it — you'll like it. I guarantee it.

KS

P.S. You may gasp when you find out what shirt size you wear in metric.

## Metric Twisters

- \*It hit me like 907 kilograms of bricks
- \*Give him 2.54 centimeters and he'll take 1.609 kilometers
- \*A miss is as good as 1.609 kilometers
- \*Kilogram for kilogram he's the best
- \*A 30.45 centimeter-long hot dog
- \*A kilogram of flesh
- \*He missed by 1.609 country kilometers
- \*28.350 grams of prevention are worth 453.592 grams of cure (Courtesy, Houston Electrical League)

Board of Directors Meeting  
January 11, 1979 12:00 Noon

**In Attendance:** Klas, Koepke, Largent, Moorman, Murphy, Seeley, Nelson, Walter, Obert and Searl

## Presidents Comments:

**Seminar:** Klas reported 20 paid registrants with 5 application requests. Discussed direct mailing to Portland members (6 now registered). Labels are ready.

Ken S. appointed to Joint Committee Awards Committee discussed.

Letter from PHCC Re. DIV. 15, spec problems, asking for CSI assistance on several points. (Action Educ. Comm.)

Region conference delegation discussed. Charter bus? List being compiled. Any resolutions?

Distribution of directory discussed. Direct mailing to members suggestion — or pick up at meetings, etc. how much to charge for non-member for commercial use, etc. \$5.00 per copy was agreeable to the board.

**Pres-Elect:** Rod Moorman was unanimously selected to the long-vacant position. Stan Nelson was appointed to fill Lundys vacant seat.

**Nominating Committee:** D. Walter, Chairman said that a formal meeting was scheduled to occur following the board meeting. One industry member and two professional members are needed.

**Membership:** 187 members reported. Les Seeley 3 since last meeting.

**Products Fair:** Parking free until 6:00 p.m. Chapter meeting will have the same caterer as the FAIR. CSI will be at registration table with application forms. WIC will assist again this year. CSI to have some display — perhaps same as the one being prepared for the AIA office. Les asked for help with the mailing list.

**Program:** January cancellation discussed. Ken asked to try for April and PRODUCTS FAIR chapter meeting. June 18 still felt to be not only annual meeting but a fun meeting — as the boat ride last year.

**Region Director:** Minks letter regarding the January 23 meeting to start a regular meeting night for the new chapter forming in the TRI-CITIES area. Klas was urged to make a special effort to go.







## to the editor

Dear Margie

CSI attendance at and participation in our recent Annual Convention at the Jantzen Beach Thunderbird helped to make it the great success it was

Two hundred and thirty six contractors and their wives suppliers and manufacturers architects and other guests, made our Friday attendance the best on record for Oregon Council PDCA

Our thanks to you!

Sincerely  
 OREGON COUNCIL PDCA  
 Tom Schraeder  
 President



## CAN MONEY BUY SAFETY?

Although \$157 million has been spent on the Consumer Product Safety Commission since it was created in 1973 the agency has had only a token effect in reducing the number of dangerous products on the market according to the General Accounting Office the investigative arm of Congress

### PREDICATOR STAFF

EDITOR Margie Largent 636-6977  
 ASST EDITOR Still Looking  
 CIRCULATION Les Seeley  
 COPY Inga Vrla  
 ADVERTISING Bill Samuels  
 COLUMNIST Regular Ken Searl BS by KS  
 REPORTERS Warren Koepke Meetings Perky Kilbourn  
 ROSTER Sampier Seeley

### AROUND THE REGION

Regular chapter meetings  
 COOK INLET 3rd Wed (Call Harley Hightower. 276-2242)  
 PUGET SOUND 2nd Wed (Latitude 47)  
 SPOKANE 2nd Thur (Fireside Inn)  
 WILLAMETTE VALLEY 3rd Thur (Bev's Steak House)

## from the editor

To Chapter 36 members (voters)

We have the opportunity to elect to the Institute Board (Northwest Region Director) one of our own Chapter members Ken Searl Ken would be our own speaker-outer our non George Bernard Shaw typewriter (I've never seen one but Ken insisted he isn't one)

We know that Ken will speak if we say speak — and sometimes even if we don't — but generally what we would have said KEN LISTENS WELL (Wilma?)

Ken even gets well with most people He would say that he is not your standard breed (Setter) but about specs Ken knows a lot and about specifics he knows more than most Spec Writers

If you've been reading BS by KS you know that KS doesn't stand for Kid Stuff!

Vote for Ken Don't procrastinate or those lowlanders (Brand X Chapter) will elect that other well qualified candidate and you know we need Ken to direct us!



### BOARD OF DIRECTORS, 1978-79

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Program Committee — Rod Moorman	234-3361-5375
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Les Seeley PC	234-0281
Donald Kramer Struct Eng	289-2661
Tai Funatake Mech Engrs	234-0548
Predicator Editor — Margie Largent	636-6977
Nominating — Dexter Walter	655-7166

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vol. 18, no. 8

construction specifications institute, portland chapter

Apr., 1979

## PRESIDENT'S COLUMN Bob Klas

The major activities of a couple of our committees require comment

On February 23rd and 24th The Portland Chapter hosted the Institute Division 1 Seminar Program. We owe thanks to Dick Ehmann, Larry Brown and Lee Kilbourn for their efforts. Thirty persons attended — the optimum number recommended by the Institute. In addition to 13 Chapter members, people attended from as far away as Pasadena, Cal., Vancouver, B. C. and Anchorage, Alaska. While the program concentrated on Division 1, it was broad enough to give an overview of The Manual of Practice and The Project Manual. Mr. Greenwood, whose vast CSI experience makes him The Authority in these matters, held our attention for 2 days. Mr. Vansant gave a multitude of short legal lectures as they were appropriate in the program. It was interesting observing how a person trained in legal matters could move through the confusions we all experience to the real reasons for judgements. I believe the people who attended can be more assertive of their own decisions, and less panicked by legal implications.

The Chapter has hosted seminars only occasionally in the past. In the afterglow of this most recent experience I would recommend attempting to provide this type of concentrated learning experience annually. It is certainly the most effective way to improve the capabilities of our members.

Don Eggleston and a group of people will see their long, hard efforts materialize in the Products Fair on April 12th. The Products Fair has been improving every year, and this one will set standards for the future. It is to be expanded in size and held in the Memorial Coliseum exhibit halls. Free parking will be available to those who arrive before 6:00 P.M. There will be a complementary lunch at noon, seminar type presentations on various products during the afternoon, and the April Chapter meeting at 5:30 with dinner and a program.

The Products Fair will be one of the City's major trade shows this year. We all have a vital responsibility to make it an unqualified success. Encourage all individuals involved in construction to

con't. p. 2

## CHAPTER MEETINGS

SCHEDULE '78-'79

MAY 8 program **HARDWARE**—Unlocking the Mysteries of Finish Hardware—Jt. with D H I O R E  
Coordinate Ken Searl CSI  
JUNE 12 program Annual meeting & fun night  
Coordinator: Les Seely

## UP COMING EVENTS

Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open (223-8231)  
Tech. Documents — at Products Fair  
Long range planning — at Dick Ehman's ofc  
Program — 4th Thurs. CSI Office — noon  
PRODUCTS FAIR, Coliseum, April 12, 1979 Free parking before 6:00 P.M.  
16th NORTHWEST REGION Conference — Rosaria Resort, Orcas Island, April 26-29, 1979 3:00 chartered ferry leaves Anacortes



## TRAVEL INFORMATION P 8

JAMES E. DAVIDSON, Coordinator April program, born in Oak Park, Ill., raised in Grand Rapids, Michigan. Jim has a B. B. A. degree from the Univ. of Michigan after serving in the Air Force for three years — WWII (six months overseas on Tinian, Marianas Islands).

Until 1976 Jim was associated with the Howard R. Davidson Co., wholesale floor covering distributors in Grand Rapids. Since 1976 he has been with THE CRONIN COMPANY, Portland, OR. Member CSI since 1977. Jim, his wife Betty, and three sons — Jim, Jeff, Jon — all are in the Northwest to stay! They say!

## APRIL PROGRAM

at the

COLISEUM —  
PRODUCTS  
FAIR

thursday, Apr. 12, 1979

Reservations Required

Members, guests, and spouses are invited. Phone Jan 223-8231 by 4 pm Apr. 8, or come at 7:30 for the program only.  
Place: The Coliseum  
Time: 5:30 Social Hour  
Committees: 6:30 Dinner — \$8.00 inc. grat. no shows will be billed.  
7:30 Program/Business program installation officers  
Coordinator: Jim Davidson  
Program: The national outlook and its implications for Oregon.

Speaker

Dr. Kevin R. Kelly — VP & Economist, U.S. Bancorp; in charge of Corporate Development & Planning, BA '71 — Santa Clara, MA, '73 — Univ. of Or, PhD, '74 — Univ. of Or.

Dr. Kelly's responsibilities are: Keeping management informed on current economic situations, to analyze and forecast economy, publish the Oregon Business Barometer, the bank's quarterly economic newsletter and to comment on legislative impact on economic scene.

Dr. Kelly taught at Lewis & Clark College, 1976-1978; Reed College, 1974-1976; and University of Oregon, 1974 in Major Fields of Urban Problems and Price Theory.

Dr. Kelly is a member of National Assoc. of Business Economists, Western Economic Assoc., American Economics Assoc.

Dr. Kelly is married, plays on two basketball teams: AAU and Lake Oswego City Team and runs 20-30 miles per week.



## CECO/AIA/CSI — AGC JOINT COOPERATIVE COMMITTEE Minutes — February 15, 1979

Duane Thompson, Thompson Const Chrm

Keith Alden, Del E Webb Corp  
 Jack Broome, Oregon Council AIA  
 Joe Brown, Joe Brown Constr  
 Gary Buford, CECO  
 W H Gregory, W H Gregory Co  
 Frank Hastie, AGC Staff  
 R B Johnson, R B Johnson Co  
 Ed MacCollin, Salem Chapter, AIA  
 Ken Searl, Portland Chapter, CSI  
 Joan Swinney, Exec Dir, AIA  
 Russ Wilson, Christal Grady & Harper

Chairman Duane Thompson convened the meeting at 10:15 a.m. in the AGC Board Room, Sheraton Portland Hotel. Persons introduced themselves.

**BUILDING PERMIT PROCESS** Frank Hastie discussed meetings he had had with persons working in a number of Portland metro area building permit offices. He distributed a summary sheet indicating whether those offices held pre-planning conferences, handled plans on a "fast track" basis, and estimates of how many visits were required and the estimated length of time it takes to obtain final permit approval. It was the consensus of the committee that a building permit procedure guide be developed. Jack Broome agreed to investigate the matter and assist in developing a questionnaire to be sent to building permit offices.

**PROPOSED FORMATION OF AIA-AGC Mediation Panel** Duane Thompson discussed the reasoning behind a proposal to form a mediation panel. He stated that it would provide a means short of arbitration or litigation whereby architects and contractors could voluntarily submit their disputes to a mediation panel for settlement.

There was extended discussion on this matter, with primary concerns expressed concerning the legal implications, such as matters coming before such a panel being later used as evidence in arbitration or litigation, thereby jeopardizing the interests of those concerned.

Joan Swinney asked whether the problem seems to be a matter of education, considering the manner in which disputes often arise. It was the feeling of the committee that the education committees of AIA and AGC should be contacted, and their assistance solicited.

The meeting adjourned at 12:45.

Frank Hastie  
 AGC Chapter Staff

cont. from p. 1

attend. Anyone involved with the industry now or in the future, will find their visit worthwhile. It is our job to get them there.

These successful Chapter activities bring another concern to mind. Our financial condition has been good and is improving. The new Board of Directors has the added worry of determining how to use our resources to benefit as many Chapter Members as possible. We could import some outstanding individuals to have a few great Chapter meetings, and increase attendance. Or we could plan subsidized seminars that would benefit all members. Please let your ideas be known.

Bob

### March Meeting

The March dinner meeting was held at the Mallory Hotel and featured a panel discussion on energy conservation in Oregon, specifically commercial buildings. Guest speakers were Don Benz, P.E., representing equipment manufacturers, Carl Fullman, P.E., member of the Oregon State Energy Conservation Board, Larry Carson, P.E., representing CSI, and Jim Griffith, Director of the City of Portland Bureau of Buildings. The Moderator was Lee Kilbourn.

Don Benz started by explaining the operation of a simple heat pump, and guiding us through the land of EER, BTU and COP. He also showed slides on heat pump units currently in use.

Mr. Fullman commented on key points in Chapter 53 of the Energy Code relative to commercial buildings.

Larry Carson indicated that compliance with Chapter 53 requires a knowledge of the Code and close cooperation between architects, engineers, and building officials.

Jim Griffith summed up his comments by stating that *real* conservation can only be achieved by a genuine commitment by the occupants of the buildings. He also indicated that the present code is somewhat idealistic due to the present state of the art, and therefore not always enforceable.

Bill Klas adjourned the meeting at 9:40 p.m. with a reminder that the next meeting would be held at the Products Fair on April 12th.

Warren Koepke

BS by KS

My topic for discussion this month is membrane roofing. I have always felt that roofing was the second most important item in the average building, first item being an adequate foundation. This feeling is also borne out by the fact that the majority of lawsuits involving an architect are roofing failures. To reduce liability just what can be done? The first item I feel having the highest priority is to specify a pre-roofing construction conference prior to any roofing operations. People that should attend this type of conference are general contractor's superintendent or foreman, roofing sub-contractor, preferably the foreman who will be in charge, the roofing manufacturer's representative and architect or architect's representative. In some cases the owner may also be included.

A conference of this type should not be held entirely in an office or at the job office. This conference, to be effective, must be held up on the roof deck prior to actual roofing operations. Many things can be accomplished while standing at the scene of the crime, so to speak. I will list many items one must be on the lookout for while up on the roof deck. First of all, make sure roof deck is smooth and free of voids and if it is a wood deck, verify that nailing is correct, all voids, gaps and holes filled. Discuss flashing installation details. The majority of roof leaks originate in the parapet wall or base flashing area, so keep a sharp eye on these details. Look out for metal coping at top of parapet walls. Many architects have a tendency to keep the vertical portions of the coping too short to properly cover, allowing wind-driven rain to enter roofing system. Another important item to check on is all roof penetrations, sizes of, locations, etc. One item over the years I've seen causing trouble is curb heights under mechanical equipment, access hatches and skylights. As a rule of thumb, for a so-called conventional roofing system curb should be a minimum of 6 inches and inverted roofing systems should be (with 3-inch insulation and gravel) not less than 8 inches off deck. These are both minimums, in some cases additional height will be necessary.

In closing I can definitely state that a pre-roofing conference will bring about better installed roofing systems regardless of what type system. I could probably write a book on roofing installation Do's and Don'ts, and if I ever get time I might just do it one of these days.

KS



## OPERATIONS GUIDE NORTHWEST REGION

### I GUIDE PURPOSE

- A The intent of this Guide is to assist in the planning and conducting of programs and conferences and to provide the basis for administering the affairs and recommending actions on a Regional basis

### II REGION ORGANIZATION

- A The Northwest Region is composed of all chapters and members within the boundaries established by the Construction Specifications Institute
- B The Region is an informal collective body, without by-laws or status of an official organization. Except for duly elected representatives of the Region to the Institute Board of Directors, there are no other officers or formal governing body
- C The Region Council, hereafter referred to as the Council, consists of both Northwest Region Directors and two members appointed by each Region Chapter
- D For clarification, the two Northwest Region Directors shall be referred to as "Presiding Director" and "Deputy Director". The Presiding Director shall be the person with the longest time in office for his/her current term. The Deputy Director shall succeed the Presiding Director
- E To maintain the widest representation and maximum continuity, it is recommended that chapter members of the Council represent Professional Members and Industry Members. It is further recommended that one member from each chapter be either the present Chapter President or the incoming or outgoing Chapter President
- F The Immediate Past Presiding Director may serve as an ex-officio member of the Council at the pleasure of Presiding Director

### III COUNCIL PURPOSE

- A The purpose of the Council is to maintain dialogue among chapters, promote development of existing and new chapters, develop inter-chapter coordination, to advise Directors and to administer the affairs of the Northwest Region

### IV COUNCIL MEETINGS

- A Hold not less than two meetings during the fiscal year, with one

meeting to be held immediately preceding the Annual Region Conference at the Conference

- B Meetings may be called upon the written request by either Director or a majority of the members of the Council
- C A majority of the Council members constitutes a quorum at meetings
- D The Presiding Director shall chair Council meetings. In the absence or indisposition of the Presiding Director, the Deputy Director shall chair and in the absence or indisposition of the Deputy Director a Chapter President appointed by Presiding Director shall chair
- E The Presiding Director shall appoint a Region Secretary to record the activities of the Council, Conference and to carry out the correspondence duties for the Region
- F Issues, motions, resolutions and other business brought to a vote requires the approval of a majority of those members attending.

### V FISCAL ADMINISTRATION

- A The Presiding Director shall appoint a Region Fund Trustee for a one year term, who shall collect, receive, disburse and administer the funds of the Region subject to the direction of the Council. The Trustee may be a member of the Region Council. The Trustee shall maintain accurate records of accounts, recording therein sources and amounts of all financial transactions and resources, showing at all times amounts and destination of disbursements. The Trustee shall submit, at each scheduled meeting of the Council, and otherwise when the Council so directs, an account of all transactions, as Trustee, and the financial condition of the Region. The Trustee shall perform other duties as may be prescribed, from time to time, by the Council. The Trustee's term of office shall be for one year and will always expire concurrently with that of the Presiding Director at which time the Trustee will deliver to his successor, all books, records, monies and other property. The books will require an audit which may be accomplished by a Council member or any chapter member, within the Region as appointed by the Deputy Director
- B The Region Fund Trustee, prior to May 15, each year, shall assess each chapter, within the Region,

an amount specified by the preceding Council meeting and approved by the chapters, based upon the paid membership list published by the Institute on or about April 30 of each year. This amount may change from time to time by unanimous vote of the Council members at any Council meeting. This assessment together with any other monies accruing to the Region, constitutes the Region Fund. The assessed amount is to be paid by each chapter, upon demand of the Trustee not later than June 30 of each year or 45 days after demand by the Trustee, whichever is later

- C Monies collected are to be deposited in a separate Region Fund account under the care of the Region Trustee's "home" chapter treasurer
- D The Region Fund is to be used as directed by the Region Council as follows but not limited to this if voted otherwise
- 1 Advance money loaned to a chapter to produce a Regional Conference. This money must be requested by the host chapter
  - 2 Funding of the travel expenses of participating members of the Institute Education and Technical Documents Committees. The amounts, accountability of participating members and the defined duties of these members to the Region shall be as set forth by the Council
  - 3 Postage, printing and miscellaneous items required by the Region Directors
- E Either Director and the Region Fund Trustee are the only persons authorized to sign checks against the Region Fund account. Any one signature will be sufficient endorsement
- F Except for "housekeeping" expenditures authorized by the Presiding or Deputy Director expenditures of Region Trust funds must be approved by a majority vote of a quorum of the Council

### VI REGION COMMITTEES

- A **Region Conference Committee**
- 1 A host chapter President prior to the preceding conference, shall appoint a Conference Committee Chairperson who shall appoint and establish a Conference Committee
  - 2 The Conference Committee shall select a conference site, date, make all arrangements,


*cont. p. 5*



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develop a tentative program and submit tentative plans to the Council for approval at least 180 days prior to the Conference

**B Region Awards Committee**

1 The Presiding Director shall appoint a Region Awards Committee at least 180 days prior to the Region Conference for purposes of soliciting Region Awards nominations and determining award recipients. The Deputy Director shall be a member and the Chairperson of this committee

**C Region Screening Committee**

1 The Presiding Director at least 90 days prior to the Region Conference, shall notify each Chapter President in the Region to appoint a Chapter representative to the Region Screening Committee, who shall select two candidates for Deputy Director. The most qualified candidates shall be selected based on their knowledge and experience in Chapter and Region activities

2 The presiding Director shall serve as a non-voting Chairperson of the committee

3 The committee, unless otherwise approved by the Council, shall meet in conjunction with the Region Conference

**D Other Committees**

1 The Presiding Director may

appoint other committees deemed necessary by either Director or the Council

**E Committee Correspondence**

1 The Directors shall be informed of all Conference and Region Committee actions and shall receive a copy of all related correspondence

**VII REGION CONFERENCE**

**A. Schedule of Meetings**

Members of the Northwest Region Chapters, and their guests, shall meet annually at a time and place approved by the Council for purposes of conducting business of the Region, educating its members and promoting CSI

**B. Conference Schedule**

Each chapter, in its turn, shall host a Region Conference. The host Chapter is determined by the following schedule: Portland, Puget Sound, Willamette Valley, Cook Inlet, Spokane, New Chapters shall host the Conference five years after their charter year

This sequence shall repeat in ensuing years. New Chapters shall host the Conference five years after their charter year

This schedule may be revised at any Council meeting by a majority vote and shall include new Chapters as they are established


**C. Conference Agenda**

The Conference meetings shall include a Region Business Meeting, technical sessions, and so-


cial activities

**D. Other Items**

- 1 The Presiding Director shall request Chapter Presidents to submit requests for Region Business Meeting agenda items not less than 120 days prior to the Conference
- 2 Each Chapter is encouraged to submit Region Business Meeting agenda items to the Presiding Director not less than 90 days prior to the Conference. If a chapter has no agenda items to recommend, it shall notify the Presiding Director not less than 90 days prior to the Conference
- 3 The Presiding Director shall forward a copy of the Region Business Meeting agenda to each Chapter President and each Chapter Publications Committee Chairperson not less than 45 days prior to the Conference. The agenda shall be published in the next issue of each Chapter's newsletter. Copies of the agenda shall be available at the Conference for each delegate
- 4 Each Chapter shall consider the Conference Business Meeting agenda at a meeting held prior to the Conference and instruct its delegates as appropriate
- 5 After the agenda is established and sent to the Chapters, the Presiding Direc-



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for must be petitioned, in writing, for inclusion of any additional agenda items. Such petitions must be made not less than 7 days prior to the Conference unless this requirement is waived by a majority vote of a quorum of the Council.

- 6 The Presiding Director shall notify the Conference Committee at least 75 days prior to the conference of any allied meetings which are being scheduled at the Conference so that the Committee may recommend appropriate scheduling of these meetings.
- 7 The Deputy Director shall arrange pre-conference meetings of the Chairpersons of each Chapter committee for the purpose of exchanging committee activity information.
- 8 The Conference Committee shall forward a conference announcement program and registration form to each member of the Region not less than 45 days prior to the Conference.

#### E Conference Officers

- 1 The Presiding Director shall chair as the Conference Business Meeting leader.
- 2 In the absence or indisposition of the Presiding Director, the Deputy Director shall chair, and in the absence or indisposition of the Deputy Director, the Host Chapter President shall chair.
- 3 The Region Secretary shall record the minutes of the Region Business Meeting and forward copies of the minutes to each Chapter President and the Directors not later than 60 days after the Conference. An additional copy shall be made a part of the permanent record of the Region Fund Trustee.
- 4 The Host Chapter President shall designate a Parliamentarian for the Region Business Meeting.

#### F Conference Delegates

- 1 All Institute members registering at the Northwest Region Conference are to be considered as delegates.

#### G Region Business Meeting Voting

- 1 For routine business, voting may be by simple voice vote based upon one vote per Delegate. However, any chapter may demand a roll call vote with each chapter allocated one vote for each 10

members, professional and industry, based on the immediately preceding membership roster received from the Institute.

#### H Meeting Rules

- 1 Robert's Rules of Order Newly Revised governs.

#### I Conference Finances

- 1 The Conference Committee shall submit a Conference budget to the Directors for approval no later than 150 days prior to the Conference.
- 2 Region Fund Trustee shall send to the Host Chapter if requested for deposit in its Region Conference Account an amount not to exceed the approved Region Conference Assessment collected from the chapters during the previous fiscal year. The amount sent is to be considered a loan to the Conference Committee to assist them in presenting the Region Conference and except as covered in Paragraph J3 of these guidelines, the loan shall be returned, without interest, as specified in Paragraph J4 of these guidelines.
- 3 All Conference expenses shall be defrayed through registration fees of the delegates. The Host Chapter may, however, defray Conference expenses with solicited funds, voluntary donations or by funds obtained by any other legal means. Such donated funds shall be separately accounted for and are not subject to reimbursement to the Region Trust Fund.
- 4 All Region Funds and all over-realized funds from delegate registration fees shall be sent to the Region Fund Trustee not later than 90 days after the Conference, for deposit in the Region Trust Fund.
- 5 Should a Region Conference conclude with a deficit, the Host Chapter may be compensated in an amount to be determined by the Council. Sources of any compensation shall be existing Region funds and/or monies collected through an emergency assessment levied upon all Chapters in the Region, whichever may be stipulated by the Council. The amount of any such emergency assessment is based on the same chapter membership as employed by the Region Fund Trustee to determine the annual Region Assessment.

Each chapter, not later than 30 days following receipt of the Region Fund Trustee's demand, shall pay the amount assessed.

- 6 Not later than 60 days following the Conference, the Host Chapter shall submit a complete financial statement of the Conference expenses to each member of the Council, and the Region Fund Trustee, and Region Secretary. A copy of the Conference minutes shall be included with the statement.

#### VIII AMENDMENTS

- A This guide may be amended by a majority vote of a quorum of the Council or a majority vote of the Conference Delegates.

Appendix A (available from Chapter Presidents) is a Region Screening committee guide, including criteria and biog requirements.

Appendix B — (available from Chapter Presidents) is a job description for Region participatory-members to Education & Technical documents Committee.

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#### Region Director's Newsletter

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The Institute Board of Directors meeting held in Washington February 10th and 11th was the shortest and least interesting that I have attended. The February meeting has been the most exciting and productive meeting in the past two years.

Perhaps the "jockeying" for position by those who have been nominated, without opposition, as officers of the Institute was the major cause of the conditions prevailing. As most of you know, I believe that there should be at least two nominees for every office except that of President of the Institute. Surely there are enough good people in CSI to spread the work around. The appearance of a "ruling clique" would be eliminated also.

Off the soap box and into what did happen.

- 1 Approved increase of per diem to not to exceed \$60.00, ground transportation to \$15.00, and private automobile travel to fifteen cents (\$ .15) per mile as official business allowances beginning FY 80.

- 2 Approved a substitute motion enabling the President to appoint an Ad Hoc Committee to further study the overall effectiveness of CSI student chapters and other organizational alternatives.

con't. p. 7



IX REGION CALENDAR

Action	Time
—Region Fund Trustee sends Host Chapter amount collected from Conference assessment	If and when requested
—Host Chapter appoints Conference Committee Chairperson	Prior to preceding conference
—Committee selects Conference site, date, tentative program and submits to the Council	180 days prior to Conference
—Submit date to Institute for approval	Upon Selection
—Presiding Director appoints Region Awards Committee	180 days prior to Conference
—Committee submits Conference Budget to the Directors for approval	150 days prior to Conference
—Presiding Director canvasses each chapter for agenda items	120 days prior to Conference
—Region Trustee notifies chapters to remit assessments	By May 15
—Chapters must pay assessment	By June 30
—Chapters submit agenda items to the Presiding Director	90 days prior to Conference
—Presiding Director appoints Region Screening Committee	90 days prior to Conference
(See Appendix "A")	
—Screening Committee members notified of appointment and charged	60 days prior to Conference
—Presiding Director sends Business Meeting agenda to each chapter	45 days prior to Conference
—Conference Committee sends announcements, registration forms, etc. to each member	45 days prior to Conference
—Presiding Director advises Conference Committee of allied meetings	75 days prior to Conference
—Conference Committee issues minutes, and financial statement to Council and Region Fund Trustee	60 days after Conference
—Conference Committee must return Region and over-realized funds to Region Fund Trustee	90 days after Conference

con't. from p. 6

3 The Secretary reported the Executive Committee approved a meeting of the Long Range Planning Committee in March or April 1979

4 The Secretary reported the Executive Committee approved a meeting of the Technical Documents Committee in April 1979

5 Authorized Certified Construction Specifiers to use the suffix "CCS" (This was an item of New Business)

6 Disapproved a motion that the Board instruct the Institute Finance Committee to include a sum of \$5,000 in the FY 80 budget for funding expenses of new chapter development, distribution of said fund to be at the approval of the Institute Treasurer (This was an item of New Business) The Board also disapproved a similar motion (the only difference being the amount—\$2,000)

The motion on Item #6 was made by me Bill Mincks and I have been working with people in Billings, Montana and in the Tri-Cities area of Washington to establish new chapters. Neither of us has sufficient funds in our budgets to do this work and also do our regular jobs as Region Directors. Bill and I feel that if the Institute can budget some \$40,000 for new member promotion to be carried on through magazine type advertising, funds should be budgeted for new chapter development. Chapters are made up of members. Also, if other Region Directors know funds are available, more effort will be expended in developing new chapters and increasing membership.

Department of Defense Approves Use of CSI MASTERFORMAT

The Construction Specifications Institute has received an Acceptance Notice from the Department of Defense stating that the CSI MASTERFORMAT has been approved for use by DOD

MASTERFORMAT was first presented by CSI at its 1978 convention in San Antonio. A joint publication of The Construction Specifications Institute and Construction Specifications Canada, MASTERFORMAT provides the standard 16 Division list of Broadscope and Narrowscope section titles with 5-digit numbering system. Compared to earlier editions of the CSI Format, MASTERFORMAT contains numerous revisions, reorganized coverage of items in various Divisions, and many new Broad and Narrowscope Section Titles. Included is the newly developed Division O, which contains Bidding Requirements, Con-

tract Forms, and Conditions of the Contract

With MASTERFORMAT the construction industry has the ability to relate all files, costs, product literature, references, and project manual documentation to a single unified system. MASTERFORMAT can be used to advantage with either single or separate contracts, since the division grouping does not preclude the preparation of separate contracts. In fact, MASTERFORMAT can actually facilitate such preparation when good specification principles are observed.

MASTERFORMAT replaces CSI's Documents MP-2A—CSI Format—Master List of Specification Section Titles (1975 and all previous editions) and MP-2A, Addendum No. 1 (Dec. 1976) Manual of Practice, Volume 2, Chapter 2 and CSC's Document No. 004E—Construction Specification Section Titles.

The Region Conference at Rosario, Orcas Island, promises to be a great one. In addition to having a good time, we hope to get some work done. In addition to a Co-ordinating Council meeting, we plan on having meetings of this year's and next year's Membership, Education, Technical Documents and Publications Committee chairpersons. We urge these people to attend.

There will also be a Screening Committee meeting to select the Region's nominees for Director-Industry Chapter Presidents. They are requested to submit to me the name of their representative to this committee as quickly as possible.

Chapter Presidents are also requested to submit to me items they wish to have included on the agenda of the Business Meeting as quickly as possible.

Best regards to you all  
Jesse Wilkins, Director



## to the editor

Dear Dick,

I've finally caught up with my jet lag. I think Tell me, is the return trip expected to cancel out the original lag — sort of reel it back in like a kite string? Of course I think I compounded the situation with the red-eye special, even tho half of the night was spent in the airport

From my point of view the seminar was most productive — I learn something every time, and the probing questions brought out a lot of nuances of the subject I trust that the others feel the same. You and the Portland Chapter did a great job in promoting the session, organizing the logistics and keeping it on track, in the best show business tradition. Please pass on to Bob and the chapter membership my appreciation for a job well done

Sincerely,

Ben (F GREENWOOD AIA, FCSI)

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### AROUND THE REGION

Regular chapter meetings  
**COOK INLET** 3rd Wed (Call Harley Hightower, 276-2242)  
**PUGET SOUND** 2nd Wed (Latitude 47)  
**SPOKANE** 2nd Thur (Fireside Inn)  
**WILLAMETTE VALLEY** 3rd Thur (Bev's Steak House)

### PREDICATOR STAFF

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 ASST EDITOR Dennis Obert  
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## from the editor and retiring Board Member

Thanks to the outgoing board members Robert Klas — our president and dedicated CSI'er, Bill Samuels, who replaced Hunt Jones, (thanks also to Hunt who helped this Chapter a great deal during his tenure)

Welcome Ivan and Mary Alice who will pick up the professional reins and Les Seely whose new job will be almost like his present job — with a vote!

Dennis Obert will be your editor next year! Remember, he needs material to print — interesting news items about you and other members. Items pertinent to projected program topics, etc. etc



### MEMBERSHIP ADDITIONS Clip & Paste in CSI Directory

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Jeff Shearer	Fred Shearer & Sons, Inc 215 Oregon Pioneer Building Portland, Oregon 97204	227-1429

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Tec Documents (Particip.) Rob McDonald	206-226-8800
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**BIRTH OF AN IDEA** DOOR & HARDWARE MAGAZINE via DC Supplement, Dec 1978 via Delaware Ch Newsletter

On Dec. 30, 1903, the Iroquois Theater caught fire and 596 people lost their lives, mainly because they couldn't get out of the building. The doors wouldn't work.

The Iroquois first gave Mr. Carl Prinzler the idea of going to work on a self-releasing panic-exit device. Sure it was a piece of hardware. After a lot of sweating, he got it into shape to apply for a patent. To get the patent, he learned first of all that if you want to impress the people at Washington, you have to have carefully made drawings of the idea.

That's when he thought of Henry DuPont, an architect living above him in the Alexandria Apartments on N. New Jersey St. Mr. DuPont did his part, and then it came time to give the baby a name. Mr. Prinzler attended to that too. He called it the Von Duprin, a cute way of bringing in everybody connected with the affair — the Vonnegut people, Mr. DuPont, and himself — see?

...

### Cont. from p. 1

standing job as Treasurer. Joan and Janet at the Dekum Building are always there to assist when asked.

We all tried to be concerned about the needs of the members. Because of the support of the members, all of our activities have been successful. I believe we have interested more people in Chapter activities, and we have evolved some improved ways of doing things. Let us continue these accomplishments into next year, our 20th anniversary.

I sincerely feel privileged to have had this opportunity to serve The Portland Chapter. I wish the succeeding administration the good fortune of having co-workers and membership support as effective as we have had.

Bob

### OUR NEW SECRETARY



Mary Alice Hutchins

### Rod — Cont. from p. 1

us if you have ideas or wish to help on a committee.

Our membership consists of about 200 people interested in specifications. Next year there will be more of us if we continue to provide a quality organization. Each year we have built on the previous year and improved as we progressed. I am anticipating that next year we will continue to progress.

For your Chapter to continue its roll it takes a large commitment of volunteer time and effort. If we all contribute to this effort, the work required of each of us will be small, but the overall results will be tremendous. The Chapter will gain from the total effort. You will gain in relationship to the total effort and your individual efforts.

I think it is not unfair to ask everyone to make some sort of commitment to contribute some time during the year. No one will be expected to do more than he will receive in return in satisfaction, self-enrichment, and job improvement. During the year each of you will be asked to help. Please accept these opportunities. If the offer doesn't suit you because of other commitments, please ask for one which you would like and can do.

All of us must get more from the organization than we contribute or else there is no reason for us to belong to CSI. Every hour of participation is multiplied by thousands of hours others are contributing. Only by participation, can we reap a portion of the benefits. If we do nothing more than pay our membership fee and only come to the meetings, we will still get more from the program than we contribute. However, this is unfair and we will be the loser, because we will gain even more by participating to a greater extent.

I'm looking forward to a great year and am hoping all of you are doing the same. Thanks to those of you who have already committed yourselves to help. I hope others of you will do also.

Rod

### WHAT ABOUT STREET LIGHTS

Wenatchee, Washington, turned off 50 percent of their street lights and Longview, Washington, has turned off 288 of their outdoor units (1977).

As to which lights go out, McMinnville, Oregon, solved the problem by enlisting the aid of the police department to determine what was consistent with safety.

BPA

### Roofing: Make It Last!

It has been said that roofs are so necessary to man's very existence that much of his struggle here on earth is devoted simply to keeping a roof over his head. It took thousands of years for the evolution of the windbreak or lean-to form of shelter to emerge, and traditional sloped roofs are, to the present day, merely an extension of this type of construction.

For the past hundred years man has been trying to build roofs with little or no slope for the last fifty has been insulating roofs to control heat loss. Traditional sloped roofs usually give good service because the details of design and application are well known from experience. Modern flat roofs, on the other hand, often give extremely poor service. If their performance is to be improved and their service life extended, it is necessary that all concerned with design and construction understand the elements of a roof system and the requirements of each element. Only in this way can materials be put together in the optimum manner.

A modern roof system has to perform a variety of functions in separating indoor and outdoor environments. Particularly important are the ability to protect a building against entry of moisture and the provision of effective thermal insulation. The system will normally include:

A structural roof deck.

An air-vapour control element.  
Insulation (heat control element) and Watershedding or waterproof roofing (rain control).

It does not much matter how these are combined with respect to heat loss, but their relative locations have a considerable effect on the performance of the individual elements.

Most commercial and industrial buildings with flat or nearly flat roofs have an air vapour barrier laid on top of the structural deck and insulation is applied over it, usually adhering to it. This is a very convenient way to build a roof because the structural deck provides support for the air vapour barrier and insulation during construction and in service. The air vapour barrier is placed inward of the insulation to prevent building moisture from penetrating to the cold parts of the system by diffusion or air leakage. Rain control is provided as the most outward element of the system and consists of a waterproof membrane to withstand all aspects of the weather.



Such flat-roof systems have some basic disadvantages. The roofing membrane is subjected to the full onslaught of the weather and has to endure high and low temperatures and a wide range of daily and seasonal temperature variations. Lack of slope or inadequate slope to compensate for deflection of structural elements allows water to pond. The fact that the insulation is sandwiched between two membranes, the air vapour barrier and the roofing membrane, produces a vapour and water trap. Successful roof systems of this sort can be built if design is adequate, dry materials are used, good weather conditions prevail during application, and careful workmanship is provided throughout the job. Failures of such systems over the years since they were introduced however have been sufficient in number to indicate a need for a different approach.

Recently and particularly for roof terrace systems, a new approach has been suggested. This type of roof has been given a variety of names such as upside down, inverted, insulated membrane and protected membrane. The system is simply a rearrangement of the normal elements of a roofing system to overcome some of the disadvantages of conventional arrangements. The air vapour barrier and the roofing membrane are combined on the sloped structural deck, with the insulation located on the outside of the membrane like the fur on the skin of an animal. Any moisture that penetrates the membrane from inside the structure can more easily evaporate to the outside, and precipitation that falls on the exposed insulation drains over or through it, also evaporating when conditions are suitable.

(Originally published by Canadian Building Digest, Division of Building Research, National Research Council of Canada. Protected-membrane roofs by M. C. Baker and C. P. Hedlin, June, 1972, CBD 150)

### A Sweetener It Wasn't

Last spring, the Food and Drug Administration finally got around to rejecting a petition from a Massachusetts company seeking permission to market a new low-calorie sweetener. The company has been out of business since 1975.

MASONRY/NOVEMBER/DECEMBER, 1978  
(an editorial comment)

## SCIENCE ON ITS WAY TO WORK

Activities of the National Bureau of Standards. (Oct '78 Specifier)

The Federal Communication Commission may not be as slow as the Food & Drug Administration (see item above) but the first paragraph in this excellent article tells about a *nifty* invention for the benefit of the deaf that has been 5 years in FCC for approval to use "closed captions" on home TV sets [encoder/decoder]. This is a typical example of "putting tax supported science and technology to work for the people."

This *Technology Transfer* is making possible sophisticated technology that will "be commonplace in a few years (5 is a few?)"

For example — Dept. of Energy is in possession of technology that could reduce petroleum imports by "25.5 million barrels a yr — by re-refining used oils" (Specifier).

NBS programs support the U. S. foreign policy in the many areas in which science and technology influence international affairs — by the exchange of and coordination of mutually beneficial technological data between countries.

Energy conservation alternatives, aids to inventors, new measurement devices, standardization reference material and air quality are other topics covered in detail in the article.

The Construction Specifier, Oct '78

### WARNING — TAKE CARE

By Dan C. Ehlert C.C.S.

The Public Health Service Center for Disease Control of the National Institute of Occupational Safety and Health (an agency of the United States Government) recently stated that wood, wood dust, and substances made of wood may be toxic, irritant, allergenic, or carcinogenic (cancer causing).

Toxic woods, such as East Indian Satin wood, South American Boxwood and Ipe may cause headaches, anorexia, nausea, bradycardia, dyspnea and/or somnolence.

Irritant woods, such as *Mansonia*, *Dahoma* and *Cocobolo* cause injury to the mucous membrane upon contact and may effect intact skin causing dermatitis.

Allergenic woods such as certain species of the birch, dogwood, mulberry and myrtle families may cause allergenic manifestations including asthma and contact dermatitis in sensitized individuals.

The inhalation of fine hardwood dust is believed to cause nasal cancer.

Furniture workers frequently exhibit the symptoms of dermatitis and conjunctivitis. Carpenters are known to have asthma and sawmill workers are frequently troubled with conjunctivitis.

(Ed. note: Arrows and spears manufactured from wood sometimes are lethal if forcefully driven through specific portions of the human body.)

This announcement on Wood and its effects follows the U. S. Congressional announced concern that asbestos fireproofing in school construction may cause an entire generation to be riddled with cancer.

One of the first offensive construction products brought to the public's attention was the use of lead in paints. Besides retarding rust on steel, the lead paints poisoned the inhabitants of buildings so painted.

It is of continuing wonder or rather the miraculous intervention of the Deity that mankind has survived, in spite of these dire threats discovered by our beneficent U. S. Bureaucracy.

They would also remind us that the air we breathe is so polluted that we are all subject to lung cancer. Further, it is a well known fact that inhaling an excess amount of even pure water can cause death (by drowning).

The U. S. Government will save the public by either these ample warnings or by withdrawing the offending products from public use. Money must be carcinogenic because the I. R. S. continues to attempt to withdraw it from public use or at least mine.

\*Portions excerpted from the Building Construction NEWS published by the Cleveland Builders Exchange, Inc. — the whole from the Columbus "comment".

TOM E. CLUCAS  
ARCHITECTURAL SALES REPRESENTATIVE


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A message from  ed  
To our Super advertisers Thanks a lot!  
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**MEMBER AWARENESS**

A joint committee with the Plumbing, Heating and Cooling Contractors is being formed to investigate the difficulties mechanical contractors and suppliers encounter in many specifications. The committee will present its recommendations to the membership for further action. *Larry Carson* has been appointed a CSI representative to the committee. Additional CSI Volunteers are needed. Interested specification writers, suppliers and contractors are asked to contact Mr. Carson or Bob Klas with their suggestions.



**John Robertson**, of GRATING SPECIALTIES Salem, Or., announces a new telephone number for outside Oregon — 1-800-547-2151

KS (of BS fame) and unsuccessful candidate for NW region director (we are to celebrate this at ROSARIO) was a year older April 9

**GARDON TODD** has been reappointed the PORTLAND CHAPTERS representative to the AMERICAN ARBITRATION ASSOCIATION

**OUR TWO HUNDREDTH MEMBER.** (took 20 years) was signed by **TOM SHEA**, CSI **CHRIS KLEINGARTNER** of Fortifiber Corp. Clackamas, Oregon. Welcome Chris

**MEMBERSHIP ADDITIONS** Clip & Paste in CSI Directory

James K. Farley	Seton, Johnson & Odell 317 S. W. Alder Portland, Oregon 97204	226-3921
Ronald V. Hill	E. J. Bartells Co P. O. Box 2681 Eugene, Oregon 97402	484-0486
Cristal Johnson	Polymer Building Systems 19992 N. W. Quail Hollow Drive Portland, Oregon 97229	234-0281
Joe P. Weber & Fred C. Gast	SRG Partnership, PC 520 S. W. Yamhill, Suite 231 Portland, OR 97212	

Your editor has been saving the article by **Jay Mc Grew**, Heat Transfer & Thermal Dynamist for just the appropriate time and since he was a surprise (to me) seminar leader at the 5th annual PRODUCTS FAIR and drew a standing room only crowd I think this is the issue. Could we have a repeat performance for advertising next year?

The High Country News (Wyo) Apr. 21, 1978 has a view on insulation that differs. Independent energy consultant Jay McGrew says, "The insulation business is a little bit like the insurance business. The salesman always want to sell you more than you need." McGrew has a bachelor's degree in civil engineering, a master's degree in mechanical engineering, and a doctorate in chemical engineering.

McGrew sees cost effectiveness as a convenient way to measure energy savings. The cost of an energy conservation device reflects the amount of energy it took to manufacture it, he says. Therefore, he says, "Does it save money?" and "Does it save energy?" are essentially the same question.

This view and others expressed in the publication are saying that design and use of materials are far more important than insulation per se. Article submitted by Masonry Institute — Tom Young

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Board of Directors Meeting, 12 00 Noon, March 15, 1979, people in attendance Arnold, Ashton, Eggleston, Hutchins, Kilbourn, Klas, Koepke, Largent, McCormick, Moorman, Nelson, Murphy, Obert & Sampier

President Klas welcomed the new Board members to the meeting. The successful nominees for 1979-1980 are Rod Moorman, President, Don Ashton, Treasurer, Mary Alice Hutchins, Secretary, Warren Koepke, Vice President, the office of President-Elect was tabled.

Don Eggleston reported on plans for the Products Fair. At present there are 62 confirmed booths. After discussion, it was agreed to have a C S I booth at the Fair which will be maned by Chapter members distributing information on C S I.

Rod Moorman reported that our April Chapter meeting will be held Thursday, April 12th following the Products Fair at the Coliseum. Price will be \$8.00.

Dennis Obert reported Lee Kilbourn has agreed to put together an Educational Program showing people what C S I has been doing. Also, a Seminar on Ceiling Systems by Armstrong Ceilings is in the talking stage.

President Klas announced Gordon Todd was appointed as the Portland Chapter representative to the Screening Committee.

A financial report of Division I Seminar was given to everyone present showing a profit of \$1,621.50.

Meeting adjourned at 1:30.

**Board of Directors' Meeting**

February 15, 1979, 12:00 Noon, people in attendance Arnold, Eggleston, Kilbourn, Klas, Koepke, Largent, Moorman, Murphy, Obert, Sampier & Seeley.

Margie Largent read the nominees for directors as follows: *Industry* — Jim King, Snyder Roofing, Pat Murphy, Western Block, Inc., Les Seeley, D E L Distributing Co., Keith Schaber, Consolidated Fiberglas Products, Inc. *Professional* — Ivan McCormack, S O M, Al Stahl, Architect & Bill Chnsemier, BGB & G Architects.

Membership — Les Seeley reported 189 Members as of January 31st.

Correspondence from American Institute of Architects reviewing charges passed on to C S I for the use of the telephone line in the AIA office. After discussion motion was made, seconded and passed to accept telephone charge of \$25.00 per month to be effective February 1, 1979.

Mr. Dave Pearson, Times Litho (printer of the Predicator) was introduced by Margie Largent. Mr. Pearson explained the procedures of printing our newsletter and the costs.

Rod Moorman announced the programs for March, April & May and after discussion on whether to have a technical meeting in June or a fun night, it was agreed to have a fun night. Les Seeley volunteered to be the coordinator.

Products Fair — Don Eggleston reported 27 booths have been committed for our April 12 Products Fair however we will need 50 to 60 to break even.

In Don Ashton's absence, Bob Klas gave everyone


present a copy of the current monthly treasurer's report also the Portland Chapter of C S I has its own Bulk Postal Permit number at the main post office.

Meeting adjourned at 1:20 P M

**OUR APRIL MEETING** after our 5th annual PRODUCTS FAIR (at the coliseum) was attended by 80 members and guests. The FAIR was very good. A new idea this year was the mini-seminar. With some advance advertising these could be packed. Let the committee hear from you on topic ideas — if you agree.

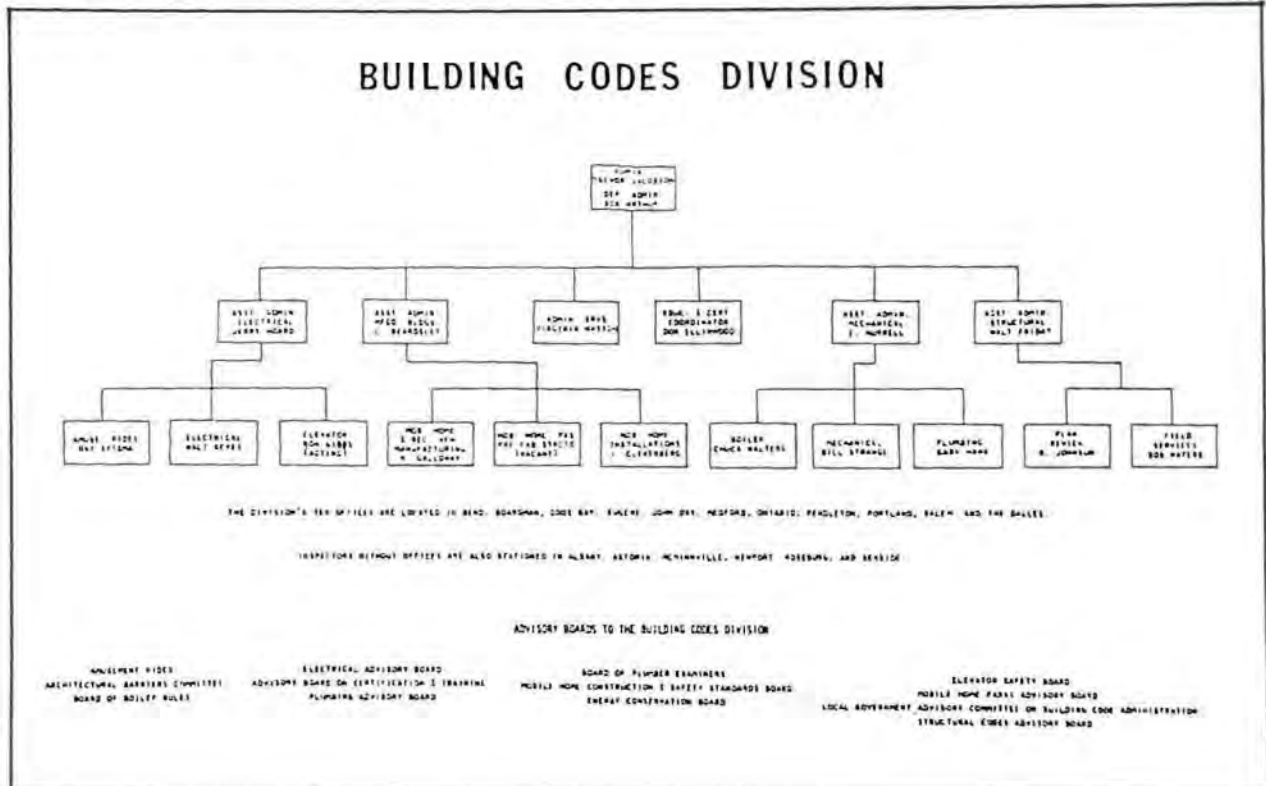
This is the last month for this editor. I want to thank each of you for your contributions in time and materials. Keep them coming. Your new editor will appreciate typewritten copy, ready to send to the printer — otherwise, it may not get in.

**MUTUAL MATERIALS**



**DEXTER WALTER, CSI**

Office 656-7166





**Updated SMB listing Available from ANSI**

A listing of ANSI's 16 Standards Management Boards and their scopes has been updated and is available from the Institute's headquarters

During the next several months, members of the Executive Standards Council to which the SMBs report, will be meeting with the various boards to evaluate their effectiveness

The Standards Management Boards are responsible for managing and coordinating standards development in specific technical fields. They cover the following areas: acoustical construction, electrical and electronics, fuel gas, graphic heating, air-conditioning and refrigeration, information systems measurement and automatic control, mechanical medical devices, nuclear, photographic, physical distribution, piping and process equipment, safety and health, and welding.

Persons who wish to receive copies of the SMB listing should contact Dianne Kelley at ANSI headquarters.

**Safety in Confined Areas Is Standard's Aim**

The safety and health of employees who work in, about, and in connection with confined spaces is the focus of a new American National Standard.

Minimum requirements for safe entry, continued work in, and exit from tanks and other confined spaces are established. The standard contains sections on precautions before entry and entry procedures, environmental hazards, hot work, removal and application of preservative coatings and linings, and personal protective equipment. A two-column format is used to provide both specific requirements and supporting information. The explanatory column is not part of the standard, but contains information that clarifies the document.

Two appendixes provide reference material on instrumentation for evaluation of atmospheric contaminants and additional pertinent standards and other reference material.

American National Standard Safety Requirements for Working in Tanks and Other Confined Spaces, ANSI Z117.1-1977 is intended to serve as a guide for regulatory agencies. Copies are available from ANSI's Sales Department at \$5.00 each.



PS to BS by KS

For April 1979 or Addendum No. 1, regarding roofing and roofing pre-construction conferences. This April column generated quite a bit of discussion by various people. Listed are several of these goodies for your information.

1. Pre-roofing Conference should include a representative of the sheet metal subcontractor in connection with roofing system.
2. Several roofers feel the most important message to architects and specifiers is to have roofing manufacturer's representatives go over proposed specification to make sure everything specified is okay.
3. More emphasis should be placed on keeping roofing materials dry before being installed. This requires not only specifying materials must be handled and stored properly but a close eye must be kept on job site storage because too often this is where the roofing materials get wet because it was only covered with minimal protection and wind blew much or all of the protection off leaving exposure to the elements.

Our chapter held its annual election for Board of Directors (three, one for industry member and two professional) at the March meeting. Now the thing that amazes and bothers me is that a total of 72 ballots were cast. Our membership is over 180 so 72 is about 40% votes cast, which doesn't look too good in my opinion. (Last year over 90 votes cast.) Will someone out there come up with a plausible explanation why our voting has such a low percentage?

I have tried to figure out the reasons, wondering if it could be that many members don't vote because they just don't care or they feel that any of the nominees are acceptable. This year our

choice was difficult because we did have very good people running for directorship. One member I talked to stated he never voted for institute offices because usually the nominating committee nominated just one person for each vacancy leaving no choices available other than a write-in which wouldn't do much good, so why bother to vote. At the February institute board meeting this subject was brought up suggesting that two or more nominees be listed on all institute voting, maybe there will be some action at the institute level. This isn't the case in our chapter. We have always had choices and even in the institute voting this year for our northwest regional director we had a choice. Paul Edlung or Ken Searl. Of course some wit might say, what choice?

It seems to me that for an organization that over the years has been a leader in many areas, a low voting record is an incongruity of the first water. (Water is an Oregon term.) My feelings are that an effort should be made to find out why our voting record is so low and steps taken to improve this situation as soon as possible. I want to point out that for several years our monthly meeting attendance has usually been the lowest in our region. This may be a contributing factor to our low voting record. However, here of late attendance has been on upsurge. I feel our chapter has made it very easy to cast your votes. One may either deliver ballot at the March meeting or mail it in advance to our chapter office. Would it help if a self-addressed envelope accompanied the ballot?

If anyone has any ideas to improve the voting record of our chapter please contact our chapter president or one of the board members.

Ken



Miller

"He's checking your work now."



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REPORTERS: Warren Koepke, Meetings Perky Kilbourn  
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- 5 A Suggested Guide and Punchlist For Subcontractors
- 6 Overtime, Construction Costs and Productivity
- 7 Prompt Payment
- 8 Escalation
- 9 Retainages
- 10 Bid Errors and Adjustments on Federal & Federally Assisted Construction
- 11 The Systems Building Program of the G S A
- 12 Plan Deposits

## from the editor

### NATIONAL JOINT GUIDELINES

**NEW** — In ELECTRICAL DESIGN LIBRARY publications prepared for architects, engineers and the design professionals in the building construction industry — is National Joint Guidelines for Improved Construction Results.

#### Contents

- 1 Procedures for Change Orders
- 2 Construction Coordination Conference
- 3 Punch list Procedures
- 4 Temporary Job Utilities and Services

The above are Joint Policy Statements from the Associated General Contractors, The American Sub Contractors Association and Members of the Associated Specialty Contractors — published and distributed by The National Electrical Association's Local Chapters — our own CSI member being Robert P. Burns.

This is a nifty tool (Division I) — thanks. But your ed. wants to know why the NECA standard symbols, another NECA library offering and The Good Book (ARCHITECTURAL GRAPHIC STANDARDS) symbols don't agree. Probably a later edition does agree. (I'm still paying for the 6th).



### BOARD OF DIRECTORS, 1978-79

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Jane Sampier '81	Secretary	234-0281
Don Ashton '80	Treasurer	221-0742
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Warren Koepke '80		234-0655
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Education Committee — Dennis Obert	228-6444
Program Committee — Rod Moorman	234-3361-5375
Tod Lundy	292-2191
Chapter Affairs — Milton Kingsland	653-0943
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Archivist — Mary Alice Hutchins	223-2920
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Liaison — Larry Arnold AIA	222-5384
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Les Seeley PC	234-0281
Donald Kramer, Struct. Eng.	289-2661
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Predicator Editor — Margie Largent	636-6977
Nominating — Dexter Walter	655-7166

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Tec. Documents (Particip.) Rob McDonald	206-226-8800
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## MOORMAN'S MEANDERINGS

This is the last issue of The Predicator until September. September will start our 1979-80 program year. If the year is to be a success we must have some objectives and plans. We must also have some ways to measure our progress. Here are some of my thoughts and suggestions on these subjects. I say these are my thoughts and suggestions because this is your chapter and it is for you and your Board to decide. Also I think we must stay flexible to change when change is advisable.

With this in mind it is as if we start to drain a swamp while we are standing waist deep among the alligators.

Our 'swamp to drain' is stated in Article III of the Bylaws.

- a. To improve the form and content of specifications as applied to construction.
- b. To collect and disseminate to its members concise information about matters pertaining to construction specifications.
- c. To promote understanding and awareness of problems of all groups contributing to and using construction specifications and to improve methods of communication among these groups.

Our alligators are the problems associated with the operations of the programs. So let's get on with bopping alligators and getting the swamp drained.

The months of July and August will be spent completing the plans for next year. Education will be given extra emphasis. If you have any suggestions or wish to work on the committee, call Dick Guria. There are plans to bring programs which will have greater and wider interest. The Products Fair Committee is already working and has some new ideas for next year. You will see some changes in the Chapter affairs, hospitality, public relations functions, and improvement of the Predicator are being investigated.

Cont. on p. 2



## CHAPTER MEETINGS SCHEDULE '78-'79

JUNE 5 program Annual meeting & fun night — THEATER/SUPPER  
DEC 7 — 20th ANNIVERSARY PARTY — ROAST & BANQUET — AIRPORT SHERATON

## UP COMING EVENTS

Chapter Board Meetings Thursday noon following chapter meeting — at CSI office Open (223-8231)  
Tech Documents —

Long range planning — at Dick Ehman's office  
Program — 4th Thurs CSI Office — noon

2nd Annual CSI-AIA Golf Tournament July 27th — tee time, noon, at Glendever Golf Course — registration by July 20th, \$15 fee covers greens fee, sandwiches, beer and prize. Call Pat Murphy at 777-2204 or AIA office.

## MEMBERSHIP ACTIVITIES

International Convention Goes: Arnolds, Klausens, Kilbourns, Issacs, Waltons and Moormans

Rod Moorman, our president, just returned from a trip around the world.

Jane Sampier, '79 secretary, is now editing a Thursday supplement to the DJC. Jane said the Builders Exchange Director (in DJC) is in the CSI format.

## JUNE PROGRAM

tuesday, June 5, 1979

Enjoy your dinner... Relax...

Have fun



## The Present Tense

11th EDITION

Reservations Required

Members, guests, and spouses are invited. Phone Jan 223-8231 by 4 pm

May 31

Place: Portland Motor Hotel  
Time: 5:30 Social Hour & Awards  
7:00 Dinner — \$16.00 per person  
8:30 Theater

## ANNUAL REPORT

Under the guidance of the Committee Chairmen and the Board of Directors, with Bob Klas as President, the Portland Chapter has had a very productive year.

The attendance at Chapter Programs has increased 30% from an average of 43 last year to 56 this year (16 professional, 22 industry and 18 guests). We believe this was due to better programming achieved by early selection of individual coordinators for each month — and ample notification.

The Products Fair on April 12, 1979 was our largest to date. It was held at the Portland Coliseum with 78 booths and over 600 attendees. The Fair fea-

Cont. on p. 2



*Cont. from p. 1*

If you wonder why membership was not mentioned in the preceding paragraph, it is because membership is an indicator of a successful program and should not be a goal in its self. While we will be recruiting new members and encouraging renewal of existing membership, the Membership Committee can't keep up with replacements of lost members if the programs are not holding the members. I hope we will see a substantial increase in membership.

A measure of our success will be the amount of participation in the various programs. However, this will only be an indicator that we are probably accomplishing parts of the Purpose and Policy of the Bylaws. We will set goals for each of the programs, but I hope they will indicate how much of the swamp was drained and not how many alligators we killed. (All of this without an environmental impact statement.)

The actual goals have not been set but some of the areas of consideration are:

1. Programs which will increase the attendance and percentage of attendance at meetings.
2. Seminars which will have interests to a broader base of the membership.
3. Increased participation in the Products Fair, both in number of booths and in attendance.

My personal goal is to serve the Portland Chapter in such a way that each member will become more involved because he will see in the Chapter an organization to which it is exciting to belong. I will increase his knowledge in specification writing and communications, will improve in his specifications or his ability to assist others in this endeavor, and that the membership has received information about matters pertaining to construction specifications.

Come join us in the plans and preparation of the various programs of your choice. We will be calling you, but it will help if you call first. Each program chairman is listed in this paper. Call them with your suggestions or if you wish to serve on the committee.

Have a good summer. I hope to see many of you in Cincinnati. I'm looking forward to completing our plans this summer and to the start of our exciting year next September.

*Cont. from p. 1*

tured a complementary lunch, and continued thru the evening with the April Chapter Meeting at the Coliseum.

The Institute Division 1 Seminar hosted by the Portland Chapter was a success with 32 attending from thruout the West Coast. Thirteen Portland Chapter members participated in the 2 day session.

Eleven members of the Portland Chapter have succeeded in becoming Certified Construction Specifiers.

Ten Chapter members attended the Annual Convention at San Antonio. Twelve Chapter members are scheduled to attend the Region Conference at Rosario.

A Long Range Planning Committee has been formed to guide Chapter development, and maintain continuity between administrations.

The Membership Committee has been active this year, increasing membership from 180 in June 1978 to 204 at the present time. (90 professional, 109 in industry, 4 juniors, and 1 emeritus.)

Larry Brown was advanced to Fellowship in the Institute at the 1978 Annual Convention. Lee Kilbourn was awarded the Northwest Region Citation and the Northwest Director's Citation. He received an Honor Award and 3 Honorable Mention Awards at the Institute Specification Competition. Dong Eggleston and Joe Healy received Chapter Awards for the 1978 Products Fair. Margie Largent and Don Ashton received Chapter Certificates of Appreciation. Larry Arnold received the Chapter and the Institute Past President Award.

The *Predicator*, with a circulation of over 500 has been published on time each month this year. We have expanded its format and maintained a consistently interesting content.

The Chapter also published a current Directory with a "yellow page" section for Chapter members.

While the Portland Chapter seemed to make progress in all areas of endeavor, we believe the potential promises more. We attempted to refine our operation in all Chapter activities, and with improved procedures, we had a trouble-free year. This is because a large number of responsible members worked very hard. However, of even more significance, many additional members have become increasingly involved in Chapter activities.

**MAY MEETING**

The May dinner meeting was held at the Mallory Hotel and featured a panel discussion on the "Mysteries of Finish Hardware."

There was a brief business meeting prior to the program. Announcements were made reminding everyone of the upcoming National CSI Convention in Cincinnati, June 17-20, and of our next program which will be a Theatre Supper party to be held June 5 at the Portland Motor Hotel. Reservations for this "fun" night are to be given either to Jane Sampier at the Builders Exchange or Jan at the AIA/CSI office prior to May 31.

Gordon Van Antwerp announced that the new Painting Specification Manual based on the CSI format is now available.

Bob Klaus then retired as President and passed the gavel to Warren Koepke who accepted in the absence of Rod Moorman, our new Chapter President.

After introducing the new Board, the meeting was turned over to Ken Searl (himself) who coordinated the program.

The first speaker, Ken Payseno, AHC Manager, Oregon Builders Hardware, spoke on Allowances — Do's and Don'ts. He brought out the importance of floor plans with door schedules, sizes and details. He advocated the use of allowances as an aid to the architect in controlling the outcome of the job.

Hal Elder, AHC Factory Representative, spoke on Security and Electronic Systems. He showed several samples of security hardware, including electronic hinges, remote control locks and sound alerts. He indicated that electronic systems must be planned with great care and well in advance, since these systems are extremely difficult to alter once they have been installed.

The third speaker was James Tice, Manager, Tice Industries, who spoke on Finishes, durability, costs and availability. He discussed the properties and finishes available for brass, bronze, aluminum and stainless steel.

In the absence of Tom Maxwell, Ken Searl spoke briefly on Keying Systems and Symbols. He emphasized the importance of including a keying schedule for the hardware supplier.

*Cont. p. 7*

Bob



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**Member Awareness**

Marge Largent has been appointed to the Lake Oswego Building Board of Appeals.

Don Walton has been re-appointed to the National Arbitration Board (NCIAC) representing the

**Institute Awards**

Lee Kilbourn and James Potter will be receiving Specification Competition awards in Cincinnati. Lee's 3 awards are:

- 1 Honor award Category C — Commercial
- 2 Honor award Category G — Industrial
- 3 Honorable Mention on Category H — Warehouse

James T. Potter — 2 awards —

- 1 Honorable Mention — Category H — Warehouse
- 2 Honorable Mention — Category C — Commercial

**Cont. from p. 2**

Comments from the floor included a discussion of entrance and exit requirements for the handicapped and the need for special locking requirements for exit doors.

The meeting was adjourned shortly after 9 p.m. There were approximately 60 people in attendance.

Warren Koepke

**BS BY KS**


Recently I was looking at our Portland chapter membership list and I discovered that one firm, J. A. Wiley Company of Portland, has three members belonging to our chapter. I congratulate Dave Wiley, George Griffith and King Quan for all being members from the same firm. As far as can be ascertained, these three gentlemen are in a class by themselves.

As you know with the June chapter meeting another year has gone by. Our next meeting will be in September. It is my opinion our chapter has had a very good year. Meeting programs have been excellent, our chapter hosted a division one seminar, and our products fair was the largest held so far. Many thanks to all you people who participated in this past year's activities. One other item of note is that our *Predicator* editor Marge Largent got our publication out on time and did an excellent job as an editor.


In writing this column I sometimes wondered does anyone out there read what I write. Well, let me tell you about the time I get that feeling. I usually receive a telephone call or a letter from someone either agreeing with me or a strong disagreement, and in some cases both. Also I receive calls with information to amplify or add to a topic of discussion. An example of that is my PS to BS BY

KS for May which was a discussion of pre-roofing conferences. It seems roofing is a hot potato and lots of thought regarding this subject is brewing at all times and sometimes even boils over. In fact in the near future our chapter intends to host a roofing seminar which from all indications should be well attended, more information forthcoming. I really don't know why we have so much discussion and strife over roofing. Usually the roof only leaks when it rains, except my firm had a building in Corvallis that only leaked when it was dry weather and the building was being air conditioned. (No air conditioning equipment on roof, however.)


For those of you who believe in long range planning, the next regional conference (April 1980) will be held over on the coast at the Embarcadero on the waterfront in Newport hosted by Willamette Valley Chapter and in 1981 Anchorage, Alaska will be the place, probably not in April but in July or August. Also the 1980 National Convention will be held at Anaheim, California. Now that sounds like a mickey mouse type of convention. I have been in communication with the oil companies, the Arabs, Jimmy Carter and George Burns and they have all promised me that there will be fuel available to attend these meetings.



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## Region Conference —

### The Time of Your Life

From the time we left Anacortes on the Viking Star on Thursday until we arrived back from Orcas Island on Sunday, the CSI NW Region Conference was indeed the time of your life.

For those who felt they didn't have time or couldn't take time to attend it should be noted that all who attended had a good time.

Frank J. Cooper of Northeast Seminar's Inc. told us how to manage our time. As keynote speaker Mr. Cooper got our attention by asking us why we wanted to manage our time better. He then explained the way a mind solves problems of memory. The desired information being stored in our past experiences and our sub-conscious works on a solution until it is solved and the answer "pops" into our consciousness.

In order to use this problem solving technique to the fullest one must think about only one thing at a time.

To do this Mr. Cooper said we should make lists of things to do, prioritize these items and organize them into either a do, call or get category. Once this has been done we should be able to accomplish more with less effort.

It will not be automatic though because one additional commodity is needed which is the actual desire to have more time. A desire to have more time available is connected with our purpose of life as well as our biological needs. Without a real desire for more time all the lists in the world aren't going to provide more time.

In conclusion, Mr. Cooper suggested that we should write out our Purpose in Life. This will enable us to establish our priorities and thus focus our attention on accomplishing our purpose in life — Better use of time or time management thus becomes a means to an end. P. K.

LARRY ARNOLD, our NW Region participating member of the Education Committee (fy 1979) reported of the two meetings held this year — one in Wash., D.C., one in St. Louis, Mo. Larry has been assigned to organize and develop material for a correspondence course (new in the C.E. category) preparation for the Certification exam. Present resource material is from a course given in L.A. more than a year ago and Larry asks that NW Region Chapters send him any materials they may have used or plan to use in giving seminars of a similar nature.

Also in Continuing Education Category he lists a short course on specifications & construction contracts packaged for chapter use by the Institute for use with local instructor.

Portland Chapter has presented the Division One seminar (also a part of this C.E. category).

In the category of Undergraduate education a job trait profile was commissioned and tabulated.

An alternate degree program converting experience into college credit is a concept under study and CSI staff is coordinating an interfacing with Architectural Intern Development program with N.C.A.R.B.

### AROUND THE REGION

Regular chapter meetings:  
 COOK INLET 3rd Wed (Call Harley Hightower, 276-2242)  
 PUGET SOUND 2nd Wed (Latitude 47)  
 SPOKANE 2nd Thur (Fireside Inn)  
 WILLAMETTE VALLEY 3rd Thur (Bev's Steak House)

Our New Chapter [Tri Cities] meets the 3rd Thursday ea month — any CSIer travelling through Kennewick Wn contact Robert Bready 3024 W 75th & offer your support.

The Fall Region Administrative meeting (Chapter officers review institute, Region & Chapter affairs & exchange ideas) will be held in this area. Watch for date & location.

### Region Awards:

The Portland Chapter was awarded the 1979 Northwest Region Newsletter excellence award at the Conference banquet at Rosario Margie Largent editor and Bob Klas, president received the award for the chapter.

Last year a new northwest region award was established, the Frank Stanton Memorial Award. Frank Stanton was an architect and specifier who was a long-time member of the Puget Sound CSI Chapter and just prior to his death was also a member of the Portland Chapter. Frank was an excellent specifications consultant writer and also gave lots of help to young architects. This award is given to a person who has contributed greatly to the cause of the Construction Specifications Institute.

The first recipient was J. Donald Kroeker, PE, a charter member of the Portland Chapter. This year the award went to Don Paine, FSCI, of the Puget Sound Chapter. Both of these people are highly deserving of this award.

## ARBITRATION COMMITTEE

APPROVES PILOT MEDIATION PROGRAM IN N.Y.

FROM BUILDING DESIGN & CONSTRUCTION DECEMBER 1978

The National Construction Industry Arbitration Committee (NCIAC) at its annual meeting last month, approved a pilot program for the use of voluntary mediation to resolve construction disputes. It is the first time the committee has approved the use of mediation.

The pilot program will be conducted in the New York City area. If successful it will be expanded to other areas. Parties to architect-owner, owner-general contractor and general contractor-sub-contractor agreements will be encouraged to supplement their contracts with a mediation clause.

The mediation procedure was developed by the NCIAC rules revision subcommittee and the American Arbitration Association (AAA) which will administer the process. Mediators will be selected from the existing panel of AAA construction arbitrators and trained in mediation techniques. The mediation proposal was initiated by the American Institute of Architects, one of nine member organizations of NCIAC.

Michael F. Hoellering, vice president-case administration of AAA, said the purpose of the program is to see whether construction disputes can be dealt with effectively at an early stage before they become adversary proceedings. A mediator attempts to help the parties reach an agreement among themselves. But the parties are not bound by the mediator's suggestions, and if the effort fails they can request arbitration at a later date.

The filing fee for mediation will be \$200 for each party. The mediator's compensation will be determined by agreement of the parties.

Information developed during mediation cannot later be used against any of the parties in an arbitration or litigation proceeding, Hoellering said.

AAA will gather data on the cases filed.

In addition to AIA, other members of NCIAC are the American Consulting Engineers Council, American Society of Civil Engineers, American Society of Landscape Architects, American Sub-contractors Association, Associated General Contractors, Associated Specialty Contractors, Construction Specifications Institute and National Society of Professional Engineers.



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